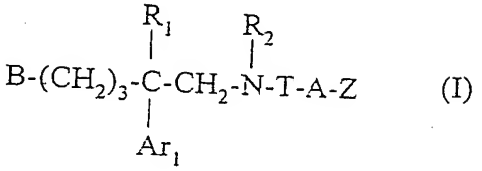
CLAIMS

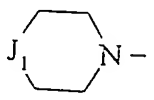
1. A compound of the formula



(I)

in which:

- R_1 is hydrogen;
- R_2 is the methyl group;
- or R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy, a (C_1-C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different; a thienyl which is unsubstituted or substituted by a halogen atom; a benzothienyl which is unsubstituted or substituted by a halogen atom; a naphthyl which is unsubstituted or substituted by a halogen atom; an indolyl which is unsubstituted or N-substituted by a (C_1-C_4)alkyl or a benzyl; an imidazolyl which is unsubstituted or substituted by a halogen atom; a pyridyl which is unsubstituted or substituted by a halogen atom; or a biphenyl;
- T is a group $-CH_2-$; a group -CO-; a group -COO-; or a group $-CONR_3-$ in which R_3 is a hydrogen or a (C_1-C_4)alkyl;
- A is a direct bond; a group $-(CH_2)_t-$, in which t is one, two or three; or a vinylene group;
- or -T-A- is the group $-SO_2-$;
- Z is an optionally substituted, mono-, di- or tri-cyclic aromatic or heteroaromatic group; and
- B is:
  - i - either a group B_1 of the formula



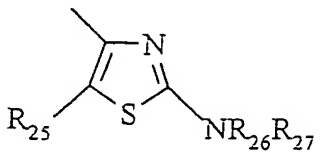
in which J_1 is:

- i_1 - either a group $Ar_2-(CH_2)_x-C<$ (with X_1)

in which:

- x is zero or one;
- Ar_2 is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a nitro, a hydroxyl, a trifluoromethyl, a (C_1-C_4)alkyl, a (C_1-C_4)alkoxy and a methylenedioxy, said substituents being identical or different; a pyridyl; a thienyl; a pyrimidyl; or an imidazolyl which is unsubstituted or substituted by a (C_1-C_4)alkyl; and
- X_1 is a group selected from:

(1) hydrogen;
(2) (C_1-C_7)alkyl;
(3) formyl;
(4) (C_1-C_7)alkylcarbonyl;
(5) $-(CH_2)_m-OR_4$;
(6) $-(CH_2)_m-OCOR_5$;
(7) $-(CH_2)_m-OCONH-(C_1-C_7)$alkyl;
(8) $-O-CH_2CH_2-OR_6$;
(9) $-(CH_2)_n-SR_7$;
(10) $-CH_2-S(O)_j-(C_1-C_7)$alkyl;
(11) $-NR_8R_9$;
(12) $-(CH_2)_p-NR_{10}R_{11}$;
(13) $-NR_{12}COR_{13}$;
(14) $-NR_{14}COCOR_{15}$;
(15) $-(CH_2)_p-NR_{14}C(=W_1)R_{16}$;
(16) $-(CH_2)_m-NR_{14}COOR_{17}$;
(17) $-(CH_2)_m-NR_{14}SO_2R_{18}$;
(18) $-(CH_2)_m-NR_{14}C(=W_1)NR_{19}R_{20}$;
(19) $-(CH_2)_n-COOR_{21}$;
(20) $-(CH_2)_n-C(=W_1)NR_{19}R_{20}$;
(21) $-CO-NR_{22}-NR_{23}R_{24}$;
(22) -CN;

(23) 

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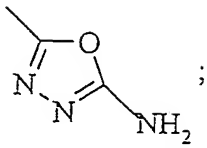
(24)  ;

or X_1 forms a double bond between the carbon atom to which it is bonded and the adjacent carbon atom of the piperidine ring;

in which groups:

- m is zero, one or two;
- n is zero or one;
- p is one or two;
- j is one or two;
- W_1 is an oxygen atom or a sulfur atom;
- R_4 is a hydrogen or a $(C_1$-$C_7)$alkyl;
- R_5 is a hydrogen; a $(C_1$-$C_7)$alkyl; a $(C_3$-$C_7)$cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; or a pyridyl;
- R_6 is a hydrogen; a $(C_1$-$C_7)$alkyl; a formyl; or a $(C_1$-$C_7)$alkylcarbonyl;
- R_7 is a hydrogen or a $(C_1$-$C_7)$alkyl;
- R_8 and R_9 are each independently a hydrogen or a $(C_1$-$C_7)$alkyl; R_9 can also be a $(C_3$-$C_7)$cycloalkylmethyl, a benzyl or a phenyl;
- or R_8 and R_9, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a $(C_1$-$C_4)$alkyl;
- R_{10} and R_{11} are each independently a hydrogen or a $(C_1$-$C_7)$alkyl; R_{11} can also be a $(C_3$-$C_7)$cycloalkylmethyl or a benzyl;
- R_{12} is a hydrogen or a $(C_1$-$C_7)$alkyl;
- R_{13} is a hydrogen; a $(C_1$-$C_7)$alkyl; a $(C_3$-$C_7)$cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl;
- or R_{12} and R_{13} together are a group $-(CH_2)_u-$, in which u is three or four;
- R_{14} is a hydrogen or a $(C_1$-$C_7)$alkyl;
- R_{15} is a $(C_1$-$C_4)$alkoxy;
- R_{16} is a hydrogen; a $(C_1$-$C_7)$alkyl; a $(C_3$-$C_7)$cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl;
- R_{17} is a $(C_1$-$C_7)$alkyl or a phenyl;

- R_{18} is a (C_1-C_7)alkyl; an amino which is free or substituted by one or two (C_1-C_7)alkyls; or a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a (C_1-C_7)alkyl, a trifluoromethyl, a hydroxyl, a (C_1-C_7)alkoxy, a carboxyl, a (C_1-C_7)alkoxycarbonyl, a (C_1-C_7)alkylcarbonyloxy, a cyano, a nitro and an amino which is free or substituted by one or two (C_1-C_7)alkyls, said substituents being identical or different;
- R_{19} and R_{20} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{20} can also be a (C_3-C_7)cycloalkyl; a (C_3-C_7)cycloalkylmethyl; a hydroxyl; a (C_1-C_4)alkoxy; a benzyl; a phenyl; or a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls;
- or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;
- R_{21} is a hydrogen or a (C_1-C_7)alkyl;
- R_{22} is a hydrogen or a (C_1-C_7)alkyl;
- R_{23} and R_{24} are each independently a hydrogen or a (C_1-C_7)alkyl;
- R_{25} is a hydrogen or a (C_1-C_7)alkyl; and
- R_{26} and R_{27} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{27} can also be a formyl or a (C_1-C_7)alkylcarbonyl;

- i_2 - or a group Ar_2-CH=C<

in which Ar_2 is as defined above;

- i_3- or a group Ar_2-C(=O)-CH-

in which Ar_2 is as defined above;

- i_4- or a group Ar_2-CH(OH)-CH-

in which Ar_2 is as defined above;

- i_5- or a group Ar_2-C(=N-O-$(CH_2)_r$-Am_1)-CH-

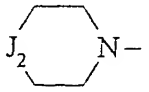
in which:

- Ar_2 is as defined above;
- Am_1 is an amino group substituted by two (C_1-C_4)alkyls; and
- r is two or three;

- i_6- or a group Ar_2-W_2-CH-

in which:

- Ar_2 is as defined above;
- W_2 is an oxygen atom; a sulfur atom; a sulfinyl; a sulfonyl; or a group -NL_1-;
- L_1 is a hydrogen; a (C_1-C_4)alkyl; a (C_1-C_4)alkylcarbonyl; or a group -$(CH_2)_v$-Am_2;
- v is one, two or three; and
- Am_2 is an amino group which is unsubstituted or monosubstituted or disubstituted by a (C_1-C_4)alkyl; Am_2 can also be a pyrrolidino, piperidino or morpholino group;
- ii - or a group B_2 of the formula



in which J_2 is:

- ii_1 - or a group Ar_2-N<

- ii_2 - or a group Ar_2-CH_2-N<

- ii_3- or a group Ar_2-C(=O)-N<

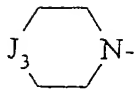
- ii_4- or a group Ar_2-CH(OH)-N<

- ii_5- or a group Ar_2-C(=N-O-$(CH_2)_r$-Am_1)-N<

in which:

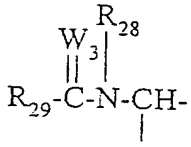
- Ar_2 is as defined above;
- r is two or three; and
- Am_1 is as defined above;

- iii - or a group B_3 of the formula



in which J_3 is:

- a group :



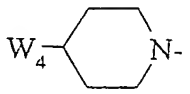
in which:

- W_3 is an oxygen atom; a sulfur atom; or a group NR_{30}, in which R_{30} is a hydrogen or a $(C_1$-$C_3)$alkyl;
- R_{28} is a hydrogen; a $(C_1$-$C_6)$alkyl; a $(C_3$-$C_6)$alkenyl in which one vinylic carbon atom is not bonded to the nitrogen atom; a 2-hydroxyethyl; a $(C_3$-$C_7)$cycloalkyl; a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a trifluoromethyl, a $(C_1$-$C_4)$alkyl, a $(C_1$-$C_4)$alkoxy, a nitro, an amino and a hydroxyl, said substituents being identical or different; or a 6-membered heteroaryl containing one or two nitrogen atoms as heteroatoms, said heteroaryl being unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a trifluoromethyl, a $(C_1$-$C_4)$alkyl, a $(C_1$-$C_4)$alkoxy, a nitro, an amino and a hydroxyl, said substituents being identical or different;
- R_{29} is a hydrogen; a $(C_1$-$C_6)$alkyl which is unsubstituted or substituted by a hydroxyl and/or by one, two or three fluorine atoms; a $(C_3$-$C_6)$cycloalkyl; a $(C_1$-$C_5)$alkoxy (only when W_3 is an oxygen atom); a $(C_3$-$C_6)$cycloalkoxy (only when W_3 is an oxygen atom); or a group $-NR_{31}R_{32}$ containing from zero to seven carbon atoms, R_{29} being other than an unsubstituted $(C_1$-$C_4)$alkyl when simultaneously W_3 is an oxygen and R_{28} is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a nitro, a hydroxyl, a trifluoromethyl, a $(C_1$-$C_4)$alkyl and a $(C_1$-$C_4)$alkoxy, said substituents being identical or different; a pyridyl; or a pyrimidyl;
- or R_{28} and R_{29} together form a divalent hydrocarbon group L_2, in which the 1-position is bonded to the carbon atom carrying the substituent W_3, the divalent

hydrocarbon group L_2 being selected from a trimethylene, a cis-propenylene, a tetramethylene, a cis-butenylene, a cis,cis-butadienylene, a pentamethylene and a cis-pentenylene, said divalent hydrocarbon group L_2 being unsubstituted or substituted by one or two methyls; and

- R_{31} and R_{32} are each independently a hydrogen, a $(C_1$-$C_5)$alkyl or a $(C_3$-$C_6)$cycloalkyl; or R_{31} and R_{32}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from pyrrolidine, piperidine, morpholine, thiomorpholine (or its S-oxide) and piperazine which is unsubstituted or substituted in the 4-position by a $(C_1$-$C_4)$alkyl;

- iv - or a group B_4 of the formula



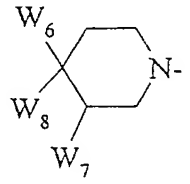
in which:

- W_4 is a $(C_1$-$C_8)$alkyl or a $(C_3$-$C_8)$cycloalkyl, said alkyl and cycloalkyl groups being unsubstituted or substituted by one or more substituents selected from a halogen atom; a $(C_3$-$C_6)$cycloalkyl; a cyano; a nitro; a hydroxyl; a $(C_1$-$C_4)$alkoxy; a formyloxy; a $(C_1$-$C_4)$alkylcarbonyloxy; an arylcarbonyl; a heteroarylcarbonyl; an oxo; an imino which is unsubstituted or substituted on the nitrogen atom by a $(C_1$-$C_6)$alkyl, a $(C_3$-$C_6)$cycloalkyl, a formyl, a $(C_1$-$C_4)$alkylcarbonyl or an arylcarbonyl; a hydroxyimino which is unsubstituted or substituted on the oxygen atom by a $(C_1$-$C_4)$alkyl or a phenyl; a group $-NR_{33}R_{34}$ containing from zero to seven carbon atoms; a group $-NR_{35}R_{36}$; a group $-C(=NR_{37})NR_{38}R_{39}$, in which the group $-NR_{38}R_{39}$ contains from zero to seven carbon atoms; and a group $-CON(OR_{40})R_{41}$, said substituents being identical or different;
- R_{33} and R_{34} are each independently a hydrogen, a $(C_1$-$C_5)$alkyl or a $(C_3$-$C_6)$cycloalkyl; or R_{33} and R_{34}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from pyrrolidine, piperidine, morpholine, thiomorpholine (or its S-oxide) and piperazine which is unsubstituted or substituted in the 4-position by a $(C_1$-$C_4)$alkyl;
- R_{35} is a hydrogen or a $(C_1$-$C_4)$alkyl;
- R_{36} is a formyl; a $(C_1$-$C_4)$alkylcarbonyl; an arylcarbonyl; a heteroarylcarbonyl; or a group $-C(=W_5)NR_{38}R_{39}$, in which the group $-NR_{38}R_{39}$ contains from zero to seven carbon atoms;
- W_5 is an oxygen atom; a sulfur atom; a group NR_{37}; or a group CHR_{42};

- R_{37} is a hydrogen or a (C_1-C_4)alkyl; or R_{37} and R_{39} together form an ethylene group or a trimethylene group;
- R_{38} and R_{39} are each independently a hydrogen, a (C_1-C_5)alkyl or a (C_3-C_6)cycloalkyl; or R_{38} and R_{39}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from pyrrolidine, piperidine, morpholine, thiomorpholine (or its S-oxide) and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl; or R_{38} is a hydrogen or a (C_1-C_4)alkyl and R_{39} and R_{37} together form an ethylene group or a trimethylene group;
- R_{40} and R_{41} are each independently a (C_1-C_3)alkyl;
- R_{42} is a cyano; a nitro; or a group SO_2R_{43};
- R_{43} is a (C_1-C_4)alkyl or a phenyl;

and when W_4 is a cyclic group or when a substituent of W_4 is a cyclic group or contains a cyclic group, said cyclic groups can also be substituted on a carbon atom by one or more (C_1-C_3)alkyls; and when a substituent of W_4 contains an aryl group or a heteroaryl group, said aryl or heteroaryl groups can also be monosubstituted or polysubstituted by a substituent selected from a halogen atom, a (C_1-C_4)alkyl, a (C_1-C_4)alkoxy, a cyano, a trifluoromethyl and a nitro, said substituents being identical or different;

- v - or a group B_5 of the formula



in which:

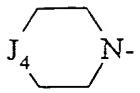
- W_6 and W_7 are each a hydrogen; or W_6 is a hydrogen and W_7 is a hydroxyl;
- W_8 is an aryl or a heteroaryl which are unsubstituted or substituted by an aryl, an arylcarbonyl, a heteroaryl or a heteroarylcarbonyl; said aryl or heteroaryl groups can also be monosubstituted or polysubstituted on the aromatic or heteroaromatic moiety and on a carbon atom by a substituent selected from a halogen atom; a cyano; a trifluoromethyl; a nitro; a hydroxyl; a (C_1-C_5)alkoxy; a formyloxy; a (C_1-C_4)alkylcarbonyloxy; a group $-NR_{33}R_{34}$ containing from zero to seven carbon atoms; a group $-NR_{35}R_{36}$; a group $-C(=NR_{37})NR_{38}R_{39}$, in which the group $-NR_{38}R_{39}$ contains from zero to seven carbon atoms; a group $-COOR_{44}$; a group $-CONR_{45}R_{46}$, in which the group $NR_{45}R_{46}$ contains from zero to seven carbon atoms; a mercapto; a group $-S(O)_sR_{47}$; a (C_1-C_5)alkyl; a formyl;

and a (C_1-C_4)alkylcarbonyl, said substituents being identical or different; when W_6 and W_7 are each a hydrogen, W_8 is other than a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a nitro, a hydroxyl, a trifluoromethyl and a (C_1-C_4)alkoxy, said substituents being identical or different; a pyridyl; a thienyl; a pyrimidyl; or an imidazolyl which is unsubstituted or substituted by a (C_1-C_4)alkyl;

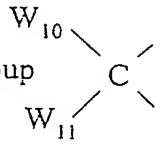
- or W_7 is a hydrogen and W_6 and W_8, together with a diradical W_9 and the piperidine carbon atom to which they are bonded, form a spiro ring in which W_8 is a phenyl substituted in the *ortho* position by a diradical W_9, which is itself joined to W_6, said phenyl being unsubstituted or substituted by a substituent selected from a halogen atom, a (C_1-C_3)alkyl, a (C_1-C_3)alkoxy, a hydroxyl, a (C_1-C_3)alkylthio, a (C_1-C_3)alkylsulfinyl and a (C_1-C_3)alkylsulfonyl; the diradical W_9 is a methylene, a carbonyl or a sulfonyl; and W_6 is an oxygen atom or a group -NR_{48}-, in which R_{48} is a hydrogen or a (C_1-C_3)alkyl;
- R_{33}, R_{34}, R_{35}, R_{36}, R_{37}, R_{38} and R_{39} are as defined above for the group B_4;
- R_{44} is a hydrogen; a (C_1-C_5)alkyl; an aryl; a heteroaryl; an arylmethyl; or a heteroarylmethyl;
- R_{45} and R_{46} are each independently a hydrogen, a (C_1-C_5)alkyl or a (C_3-C_6)cycloalkyl; or R_{45} and R_{46}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from pyrrolidine, piperidine, morpholine, thiomorpholine (or its S-oxide) and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;
- s is zero, one or two;
- R_{47} is a (C_1-C_6)alkyl; a (C_3-C_6)cycloalkyl; an aryl; or a heteroaryl;

and when W_8 or a substituent of W_8 contains a cyclic group, said cyclic group can also be substituted by one or more methyls; and when a heteroaryl group forming part of W_8 or of a substituent of W_8 contains a nitrogen atom as the heteroatom, said nitrogen atom can also be substituted by a (C_1-C_5)alkyl; and when W_8 or a substituent of W_8 contains a (C_1-C_5)alkyl, (C_1-C_5)alkoxy, formyl or (C_1-C_4)-alkylcarbonyl group, said (C_1-C_5)alkyl, (C_1-C_5)alkoxy, formyl or (C_1-C_4)alkyl-carbonyl groups can also be substituted by a hydroxyl, a (C_1-C_3)alkoxy or one or more halogen atoms, with the proviso that a carbon atom bonded to a nitrogen atom or to an oxygen atom is not substituted by a hydroxyl or an alkoxy group, and with the proviso that a carbon atom in the α-position of a (C_1-C_4)alkylcarbonyl group is not substituted by a chlorine, bromine or iodine atom;

- vi - or a group B_6 of the formula



in which J_4 is:

- vi_1 - either a group 

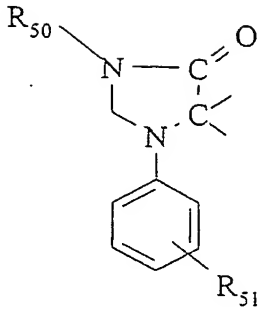
in which:

- W_{10} is a phenyl which is unsubstituted or monosubstituted to trisubstituted by a substituent selected from a halogen atom, a (C_1-C_6)alkoxy, a (C_1-C_6)alkyl and a trifluoromethyl, said substituents being identical or different; a benzyl which is unsubstituted or monosubstituted to trisubstituted by a substituent selected from a halogen atom, a (C_1-C_6)alkoxy, a (C_1-C_6)alkyl and a trifluoromethyl, said substituents being identical or different; a naphthyl which is unsubstituted or monosubstituted to trisubstituted by a substituent selected from a halogen atom, a (C_1-C_6)alkoxy, a (C_1-C_6)alkyl and a trifluoromethyl, said substituents being identical or different; a pyridyl which is unsubstituted or monosubstituted or disubstituted by a substituent selected from a halogen atom, a (C_1-C_6)alkyl and a (C_1-C_6)alkoxy, said substituents being identical or different; a thienyl; a pyrimidyl; or an imidazolyl; and
- W_{11} is a group $-CONHR_{49}$;
- R_{49} is a group CH_3-CHOH-CH-COO-(C_1-C_6) alkyl ;

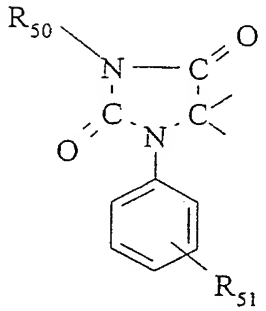
  a group (C_1-C_6)alkyl-OCO-CH_2-CH_2-CH-COO-(C_1-C_6)alkyl ;

  a group $-CH_2CH_2N(CH_3)_2$;

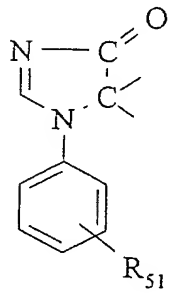
- vi_2 - or a group :



- vi_3 - or a group :

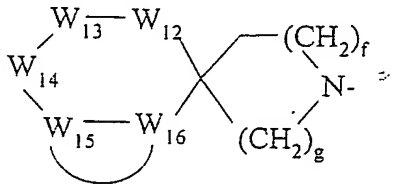


- vi_4 - or a group :



in which:

- R_{50} is a hydrogen, a $(C_1$-$C_6)$alkyl or a benzyl; and
- R_{51} is from one to three substituents selected from a hydrogen, a halogen atom, a trifluoromethyl, a $(C_1$-$C_6)$alkyl and a $(C_1$-$C_6)$alkoxy, said substituents being identical or different;
- vii - or a group B_7 of the formula

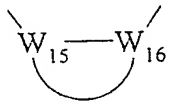


in which:

- f and g are each independently zero, one, two, three, four or five, with the proviso that f + g is equal to one, two, three, four or five;
- W_{12} is a direct bond; a $(C_1$-$C_3)$alkylene which is unsubstituted or substituted by an oxo, a group OR_{52}, a halogen, a trifluoromethyl or a phenyl which is itself

unsubstituted or mono-, di- or tri-substituted by a substituent selected from a hydroxyl, a cyano, a halogen and a trifluoromethyl; a group $-S(O)_k-$; a group (C_1-C_3)alkylene-$S(O)_k-$; a group $-S(O)_k-(C_1-C_2)$alkylene; a group $-S(O)_k-NH-$; a group $-S(O)_j-NR_{52}-$; a group $-S(O)_j-NR_{52}-(C_1-C_2)$alkylene; a group $-CONR_{52}-$; a group $-CONR_{52}-(C_1-C_2)$alkylene; a group -COO-; or a group $-COO-(C_1-C_2)$alkylene;

- W_{13} is a group $-NR_{53}-$; an oxygen atom; a sulfur atom; a sulfinyl; or a sulfonyl, with the proviso that when W_{12} is a direct bond and when W_{14} is a (C_1-C_3)alkylene, W_{13} is a group $-NR_{53}-$;
- W_{14} is a direct bond; a (C_1-C_3)alkylene which is unsubstituted or substituted by an oxo, a group OR_{52}, a halogen, a trifluoromethyl or a phenyl which is itself unsubstituted or mono-, di- or tri-substituted by a substituent selected from a group OR_{52}, a halogen and a trifluoromethyl; a group $-S(O)_k-$; a group (C_1-C_3)alkylene-$S(O)_k-$; a group $-S(O)_k-(C_1-C_2)$alkylene; a group $-NHS(O)_j-$; a group $-NH-(C_1-C_2)$alkylene-$S(O)_j-$; a group $-S(O)_jNR_{52}-$; a group $-S(O)_j-NR_{52}-(C_1-C_2)$alkylene; a group $-NHCO-(C_1-C_2)$alkylene; a group $-NR_{52}-CO-$; a group $-NR_{52}-(C_1-C_2)$alkylene-CO-; a group -OCO-; or a group (C_1-C_2)alkylene-OCO-;
- W_{15}-W_{16} together form two adjacent atoms of a cyclic radical of the formula



said cyclic radical being a phenyl, a naphthyl or a heteroaryl group selected from a benzimidazolyl, a benzofuranyl, a benzoxazolyl, a furanyl, an imidazolyl, an indolyl, an isoxazolyl, an isothiazolyl, an oxadiazolyl, an oxazolyl, a pyrazinyl, a pyrazolyl, a pyridyl, a pyrimidyl, a pyrrolyl, a quinolyl, a tetrazolyl, a thiadiazolyl, a thiazolyl, a thienyl and a triazolyl, and said phenyl, naphthyl or heteroaryl cyclic radical being unsubstituted or mono-, di- or tri-substituted by R_{54};

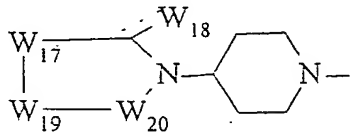
- k is zero, one or two;
- j is one or two;
- R_{52} is a hydrogen; a (C_1-C_6)alkyl which is unsubstituted or monosubstituted or disubstituted by a substituent selected independently from a hydroxyl, an oxo, a cyano, a halogen atom, a trifluoromethyl and a phenyl which is itself unsubstituted or substituted by a hydroxyl, a (C_1-C_3)alkyl, a cyano, a halogen, a trifluoromethyl or a (C_1-C_4)alkoxy; a phenyl, a pyridyl or a thiophene, said phenyl, pyridyl or thiophene being unsubstituted or mono-, di- or tri-substituted

by a substituent selected independently from a hydroxyl, a (C_1-C_4)alkyl, a cyano, a halogen atom and a trifluoromethyl; or a (C_1-C_3)alkoxy;

- R_{53} is a hydrogen; a (C_1-C_8)alkyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a group -OR_{52}, an oxo, a group -$NHCOR_{52}$, a group -$NR_{55}R_{56}$, a cyano, a halogen atom, a trifluoromethyl and a phenyl which is itself unsubstituted or substituted by a hydroxyl, a cyano, a halogen atom or a trifluoromethyl; a group -$S(O)R_{57}$; a group -CO_2R_{57}; a group -SO_2R_{57}; a group -COR_{57}; or a group -$CONR_{56}R_{57}$;
- R_{54} is a hydrogen; a (C_1-C_6)alkyl which is unsubstituted or monosubstituted or disubstituted by a hydrogen or a hydroxyl; an oxo; a group -OR_{52}; a halogen atom; a trifluoromethyl; a nitro; a cyano; a group -$NR_{55}R_{56}$; a group -$NR_{55}COR_{56}$; a group -$NR_{55}CO_2R_{56}$; a group -$NHS(O)_jR_{52}$; a group -$NR_{55}S(O)_jR_{56}$; a group -$CONR_{55}R_{56}$; a group -COR_{52}; a group -CO_2R_{52}; a group -$S(O)_jR_{52}$; or a heteroaryl group, said heteroaryl being selected from a benzimidazolyl, a benzofuranyl, a benzoxazolyl, a furanyl, an imidazolyl, an indolyl, an isoxazolyl, an isothiazolyl, an oxadiazolyl, an oxazolyl, a pyrazinyl, a pyrazolyl, a pyridyl, a pyrimidinyl, a pyrrolyl, a quinolyl, a tetrazolyl, a thiadiazolyl, a thiazolyl, a thienyl and a triazolyl, and said heteroaryl being unsubstituted or monosubstituted or disubstituted by R_{58};
- R_{55} is R_{52};
- R_{56} is R_{52};
- or R_{55} and R_{56}, together with the atoms to which they are bonded, form a five-, six- or seven-membered, saturated monocyclic heterocycle containing one or two heteroatoms, said heteroatoms being selected independently from a nitrogen atom, an oxygen atom and a sulfur atom, said heterocycle being unsubstituted or monosubstituted or disubstituted by a substituent selected from a hydroxyl, an oxo, a cyano, a halogen atom and a trifluoromethyl;
- R_{57} is a (C_1-C_6)alkyl which is unsubstituted or mono-, di- or tri-substituted by a substituent selected from a hydroxyl, an oxo, a cyano, a group -OR_{52}, a group -$NR_{55}R_{56}$, a group -$NR_{55}COR_{56}$, a halogen atom, a trifluoromethyl and a phenyl which is itself unsubstituted or mono-, di- or tri-substituted by a substituent selected from a hydroxyl, an oxo, a cyano, a group -NHR_{52}, a group -$NR_{55}R_{56}$, a group -$NR_{55}COR_{56}$, a halogen atom, a trifluoromethyl and a (C_1-C_3)alkyl;
- R_{58} is a hydrogen; a (C_1-C_6)alkyl which is unsubstituted or monosubstituted or disubstituted by a hydrogen or a hydroxyl; an oxo; a group -OR_{52}; a trifluoromethyl; a nitro; a cyano; a group -$NR_{55}R_{56}$; a group -$NR_{55}COR_{56}$; a

group $-NR_{55}CO_2R_{56}$; a group $-NHS(O)_jR_{52}$; a group $-NR_{55}S(O)_jR_{56}$; a group $-CONR_{55}R_{56}$; a group $-COR_{52}$; a group $-CO_2R_{52}$; a group $-S(O)_jR_{52}$; or a phenyl, and the group B_7 being other than the group B_5 when W_7 is a hydrogen and W_6 and W_8, together with a diradical W_9 and the piperidine carbon atom to which they are bonded, form a spiro ring;

- viii - or a group B_8 of the formula



in which:

- W_{17} is a direct bond; a double bond; or a divalent hydrocarbon radical;
- W_{18} is a radical which is joined to the carbon atom of the heterocycle either by a single bond when W_{17} is a double bond, or by a double bond in the other cases;
- W_{19} is an unsubstituted or optionally substituted heteroatom;
- W_{20} is a hydrocarbon radical of which the 1-position is joined to W_{19}; and
- the meanings of W_{17}, W_{18}, W_{19} and W_{20} are selected from:

(a) W_{17} is a direct bond; W_{18} is an oxo or thioxo group; W_{19} is an oxy or thio group or a group NR_{59}; and W_{20} is a hydrocarbon radical L_3; or

(b) W_{17} is a direct bond; W_{18} is a group NR_{60}; W_{19} is a group NR_{61}; and W_{20} is a hydrocarbon radical L_3; or

(c) W_{17} is a double bond; W_{18} is a group OR_{61}, SR_{61} or $NR_{62}R_{63}$; W_{19} is a nitrogen atom; and W_{20} is a hydrocarbon radical L_3; or

(d) W_{17} is a methylene which is unsubstituted or substituted by one or two methyl groups; W_{18} is an oxo or thioxo group or a group NR_{64}; W_{19} is an oxy, thio, sulfinyl or sulfonyl group or a group NR_{61}; and W_{20} is a hydrocarbon radical L_4; or

(e) W_{17} is a direct bond; W_{18} is an oxo or thioxo group or a group NR_{64}; W_{19} is a nitrogen atom; and W_{20} is a hydrocarbon radical L_5; or

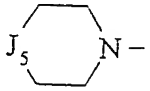
(f) W_{17} is a methine group which is unsubstituted or substituted by one or two methyl groups; W_{18} is an oxo or thioxo group or a group NR_{64}; W_{19} is a nitrogen atom; and W_{20} is a hydrocarbon radical L_6; and

(g) W_{17} is a cis-vinylene group which is unsubstituted or substituted by one or two methyl groups; W_{18} is an oxo or thioxo group or a group NR_{64}; W_{19} is a nitrogen atom; and W_{20} is a hydrocarbon radical L_7;

- R_{59} is a hydrogen; a $(C_1$-$C_3)$alkyl; a group $-CH_2COOR_{65}$; or a group $-CH_2CONR_{66}R_{67}$;

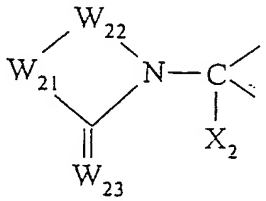
- R_{60} is a hydrogen; a (C_1-C_3)alkyl; a cyano; a nitro; or a (C_1-C_3)alkylsulfonyl group;
- R_{61} is a hydrogen or a (C_1-C_3)alkyl;
- R_{62} and R_{63} are each independently a hydrogen or a (C_1-C_3)alkyl;
- or R_{62} and R_{63}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from pyrrolidine, piperidine, morpholine, thiomorpholine (or its S-oxide) and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;
- R_{64} is a hydrogen or a (C_1-C_3)alkyl;
- R_{65} is a hydrogen or a (C_1-C_3)alkyl;
- R_{66} and R_{67} are each independently a hydrogen; a (C_1-C_3)alkyl; a phenyl; or a benzyl;
- L_3 is an ethylene, a cis-vinylene, a trimethylene or a tetramethylene, said hydrocarbon radical L_3 being unsubstituted or substituted by one or two methyl groups;
- L_4 is an ethylene or a trimethylene, said hydrocarbon radical L_4 being unsubstituted or substituted by one or two methyl groups;
- L_5 is a prop-2-en-1-yliden-3-yl which is unsubstituted or substituted by one or two methyl groups;
- L_6 is a cis-vinylene which is unsubstituted or substituted by one or two methyl groups; and
- L_7 is a methine which is unsubstituted or substituted by a (C_1-C_3)alkyl;

- ix - or a group B_9 of the formula



in which J_5 is:

- a group

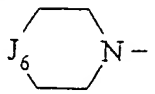


in which:

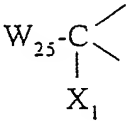
- X_2 is a (C_1-C_6)alkyl; a group $-CH_2-OR_{68}$; a group $-CH_2-SR_{68}$; a group $-CH_2-S(O)R_{69}$; a group $-CH_2-SO_2R_{69}$; a group $-COOR_{68}$; a group $-C(=W_{24})NR_{70}R_{71}$; a group $-C(R_{68})(OR_{72})(OR_{73})$; a group

$-CH_2NR_{68}C(=W_{24})R_{74}$; a group $-CH_2-NR_{68}COOR_{74}$; or a group $-CH_2NR_{68}C(=W_{24})NR_{70}R_{71}$;

- W_{21} is a direct bond and W_{22} is a hydrocarbon radical of which the 1-position is joined to W_{21}, the hydrocarbon radical W_{22} being selected from a trimethylene, a tetramethylene, a cis-1-butenylene and a cis,cis-butadienylene;
- or W_{21} is a group NR_{75} and W_{22} is a hydrocarbon radical selected from an ethylene, a trimethylene and a cis-vinylene;
- or W_{21} is a nitrogen atom and W_{22} is a cis,cis-prop-2-en-1-yliden-3-yl radical of which the 1-position is joined to W_{21};
- W_{23} is an oxygen atom or a sulfur atom;
- W_{24} is an oxygen atom or a sulfur atom;
- R_{68} is a hydrogen or a (C_1-C_6)alkyl;
- R_{69} is a (C_1-C_6)alkyl;
- R_{70} and R_{71} are each independently a hydrogen; a (C_1-C_6)alkyl which is unsubstituted or substituted by a hydroxyl or a (C_1-C_3)alkoxy; an ω-HO-(C_1-C_6)alkyl; an ω-(C_1-C_3)alkoxy-(C_1-C_6)alkyl; an ω-phenyl-(C_1-C_6)alkyl; an ω-$R_{76}OOC$-(C_1-C_6)alkyl; or an ω-$R_{77}R_{78}NCO$-(C_1-C_6)alkyl;
- or R_{70} and R_{71}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from pyrrolidine, piperidine, morpholine, thiomorpholine (or its S-oxide) and piperazine which is unsubstituted or substituted in the 4-position by a methyl group or an ethyl group;
- R_{72} and R_{73} are each independently a (C_1-C_3)alkyl;
- or R_{72} and R_{73} together form a divalent hydrocarbon radical selected from an ethylene and a trimethylene;
- R_{74} is a hydrogen or a (C_1-C_6)alkyl;
- R_{75} is a hydrogen or a (C_1-C_6)alkyl;
- R_{76} is a hydrogen or a (C_1-C_3)alkyl; and
- R_{77} and R_{78} are each independently a hydrogen or a (C_1-C_3)alkyl;
- x - or a group B_{10} of the formula



in which J_6 is:

- a group 

in which:

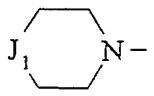
- X_1 is as defined above for the group B_1, X_1 being other than hydrogen when W_{25} is a (C_1-C_7)alkyl or a (C_3-C_7)cycloalkyl;
- W_{25} is a (C_1-C_7)alkyl or a (C_3-C_7)cycloalkyl; W_{25} can also be a group $-NR_{79}R_{80}$ when X_1 is a hydrogen, a cyano, a carboxyl, a (C_1-C_7)alkoxycarbonyl or a group $-CONR_{19}R_{20}$; and
- R_{79} and R_{80} are each independently a (C_1-C_7)alkyl;
- or R_{79} and R_{80}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine and perhydroazepine,

with the proviso that:

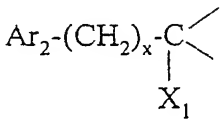
1/ when simultaneously:

- R_2 is a methyl group or R_1 and R_2 together form a group $-(CH_2)_3-$;
- Ar_1 is a 3,4-dichlorophenyl;
- T is a group $-CH_2-$; a group -CO-; a group -COO-; or a group $-CONR_3$;
- A is a direct bond; a group $-(CH_2)_t-$ in which t is one, two or three; or a vinylene group;
- or -T-A- is the group $-SO_2-$; and
- Z is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a halogen, a (C_1-C_4)alkyl, a (C_1-C_4)alkoxy or a nitro,

B is a group B_1 of the formula



in which J_1 is a group



in which:

- x is zero;
- Ar_2 is a pyrid-2-yl or a phenyl which is unsubstituted or substituted by a halogen, a methyl or a (C_1-C_4)alkoxy; and
- X_1 is other than a group selected from:

formyl;

(C_1-C_6)alkylcarbonyl;

$-(CH_2)_m-OR_4$ in which m is zero or one and R_4 is a hydrogen or a (C_1-C_7)alkyl;

$-(CH_2)_m-OCOR_5$ in which m is zero or one and R_5 is a hydrogen or a (C_1-C_6)alkyl;

-$(CH_2)_m$-OCONH(C_1-C_7)alkyl in which m is one;

-NR_8R_9 in which R_8 and R_9 are each independently a hydrogen or a (C_1-C_7)alkyl; R_9 can also be a (C_3-C_7)cycloalkylmethyl, a benzyl or a phenyl; or R_8 and R_9, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine and perhydroazepine;

-$(CH_2)_p$-$NR_{10}R_{11}$ in which p is one and R_{10} and R_{11} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{11} can also be a (C_1-C_7)cycloalkylmethyl or a benzyl;

-$NR_{12}COR_{13}$ in which R_{12} is a hydrogen or a (C_1-C_4)alkyl and R_{13} is a hydrogen, a (C_1-C_7)alkyl, a phenyl, a benzyl, a pyridyl or a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; or R_{12} and R_{13} together are a group -$(CH_2)_u$- in which u is three or four;

-$(CH_2)_p$-$NR_{14}C(=W_1)R_{16}$ in which p is one, W_1 is an oxygen atom, R_{14} is a hydrogen or a (C_1-C_4)alkyl and R_{16} is a hydrogen, a (C_1-C_7)alkyl, a phenyl, a benzyl, a pyridyl or a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls;

-$(CH_2)_m$-$NR_{14}COOR_{17}$ in which m is zero or one, R_{14} is a hydrogen or a (C_1-C_4)alkyl and R_{17} is a (C_1-C_7)alkyl or a phenyl;

-$(CH_2)_m$-$NR_{14}SO_2R_{18}$ in which m is zero or one, R_{14} is a hydrogen or a (C_1-C_4)alkyl and R_{18} is a (C_1-C_7)alkyl, an amino which is free or substituted by one or two (C_1-C_7)alkyls, or a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a (C_1-C_7)alkyl, a trifluoromethyl, a hydroxyl, a (C_1-C_7)alkoxy, a carboxyl, a (C_1-C_7)alkoxycarbonyl, a (C_1-C_7)alkylcarbonyloxy, a cyano, a nitro and an amino which is free or substituted by one or two (C_1-C_7)alkyls, said substituents being identical or different;

-$(CH_2)_m$-$NR_{14}C(=W_1)NR_{19}R_{20}$ in which m is zero or one, W_1 is an oxygen atom, R_{14} is a hydrogen or a (C_1-C_4)alkyl and R_{19} and R_{20} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{20} can also be a (C_3-C_7)cycloalkyl, a (C_3-C_7)-cycloalkylmethyl, a hydroxyl, a (C_1-C_4)alkoxy, a benzyl or a phenyl; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine and perhydroazepine;

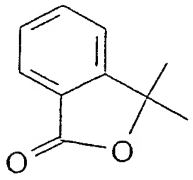
-$(CH_2)_n$-$COOR_{21}$ in which n is zero and R_{21} is a (C_1-C_7)alkyl;

$-(CH_2)_n-C(=W_1)NR_{19}R_{20}$ in which n is zero, W_1 is an oxygen atom and R_{19} and R_{20} are as defined above; and

-CN;

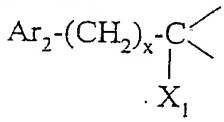
or X_1 does not form a double bond between the carbon atom to which it is bonded and the adjacent carbon atom of the piperidine ring;

or Ar_2 and X_1, together with the carbon atom to which they are bonded, are other than a group of the formula



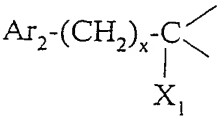
;

2/ when R_1 is hydrogen, R_2 is the methyl group, Ar_1 is the 3,4-dichlorophenyl group and T-A-Z is the thenoyl group, B is the group B_1 in which J_1 is the group



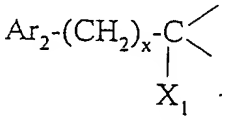
in which x is one, Ar_2 is the phenyl group and X_1 is other than hydrogen;

3/ when R_1 is hydrogen, R_2 is the methyl group, Ar_1 is the 3,4-dichlorophenyl group and T-A-Z is the 2,4-dichlorobenzoyl group, B is the group B_1 in which J_1 is the group



in which x is one, Ar_2 is the phenyl group and X_1 is other than hydrogen; or

4/ when R_1 and R_2 together form a group $-(CH_2)_3-$, Ar_1 is the 3,4-dichlorophenyl group and T-A-Z is the 2-(3-methoxyphenyl)acetyl group, B is the group B_1 in which J_1 is the group



in which x is one, Ar_2 is phenyl and X_1 is other than hydrogen;

and its salts, where appropriate, with mineral or organic acids.

2. A compound of formula (I) according to claim 1 in which:

- Z is Z' and is:

. a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom; a trifluoromethyl; a cyano; a hydroxyl;

a nitro; an amino which is unsubstituted or monosubstituted or disubstituted by a (C_1-C_4)alkyl; a benzylamino; a carboxyl; a (C_1-C_{10})alkyl; a (C_3-C_8)cycloalkyl which is unsubstituted or monosubstituted or polysubstituted by a methyl; a (C_1-C_{10})alkoxy; a (C_3-C_8)cycloalkoxy which is unsubstituted or monosubstituted or polysubstituted by a methyl; a mercapto; a (C_1-C_{10})alkylthio; a formyloxy; a (C_1-C_6)alkylcarbonyloxy; a formylamino; a (C_1-C_6)alkylcarbonylamino; a benzoylamino; a (C_1-C_4)alkoxycarbonyl; a (C_3-C_7)cycloalkoxycarbonyl; a carbamoyl which is unsubstituted or monosubstituted or disubstituted by a (C_1-C_4)alkyl; a ureido which is unsubstituted or monosubstituted or disubstituted in the 3-position by a (C_1-C_4)alkyl or a (C_3-C_7)cycloalkyl; and a (pyrrolidin-1-yl)-carbonylamino, said substituents being identical or different;

. a naphthyl which is unsubstituted or monosubstituted or polysubstituted by a halogen, a trifluoromethyl, a (C_1-C_4)alkyl, a hydroxyl or a (C_1-C_4)alkoxy; or

. a pyridyl; a thienyl; an indolyl; a quinolyl; a benzothienyl; or an imidazolyl;

. Ar_1 is a 3,4-dichlorophenyl;

. R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$; and

. B, T and A are as defined for (I) in claim 1,

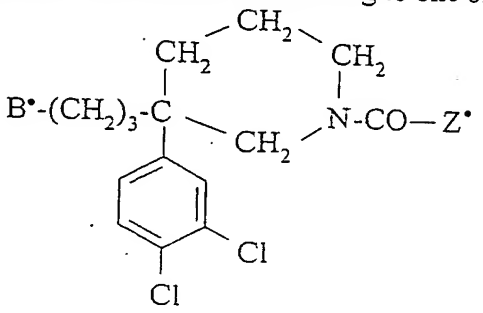
and its salts with mineral or organic acids.

3. A compound of formula (I) according to claim 1 in which:

- Z is Z^* and is a pyridyl, thiadiazolyl, indolyl, indazolyl, imidazolyl, benzimidazolyl, benzotriazolyl, benzofuranyl, benzothienyl, benzothiazolyl, benzisothiazolyl, quinolyl, isoquinolyl, benzoxazolyl, benzisoxazolyl, benzoxazinyl, benzodioxinyl, isoxazolyl, benzopyranyl, thiazolyl, thienyl, furyl, pyranyl, chromenyl, isobenzofuranyl, pyrrolyl, pyrazolyl, pyrazinyl, pyrimidinyl, pyridazinyl, indolizinyl, phthalazinyl, quinazolinyl, acridinyl, isothiazolyl, isochromanyl or chromanyl group, in which one or more double bonds can be hydrogenated, it being possible for said groups to be unsubstituted or optionally to contain one or more substituents such as an alkyl, phenyl, cyano, hydroxyalkyl, hydroxyl, alkylcarbonylamino, alkoxycarbonyl or thioalkyl group, in which the alkyl and alkoxy groups are C_1-C_4;
- R_1 and R_2 together form a group $-(CH_2)_3-$;
- Ar_1 is a 3,4-dichlorophenyl;
- T is a group -CO-;
- A is a direct bond; and
- B is as defined for a compound of formula (I) in claim 1,

and its salts with mineral or organic acids.

4. A compound of the formula according to one of claims 1 or 3 of the formula



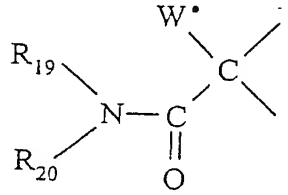
(I•)

in which:

- $Z^{\bullet}$ is as defined in claim 3; and
- $B^{\bullet}$ is a group of the formula

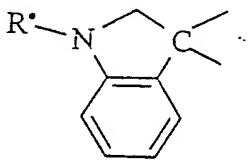
in which $J^{\bullet}$ is:

- $i^{\bullet}$ - either a group of the structure



in which:

- $W^{\bullet}$ is a phenyl or a benzyl and R_{19} and R_{20} are as defined for a compound of formula (I) in claim 1;
- or $W^{\bullet}$ is a group $-NR_{79}R_{80}$ in which R_{79} and R_{80} are as defined for (I) in claim 1 and R_{19} and R_{20} are each hydrogen;
- $i^{\bullet\bullet}$ - or a group of the structure

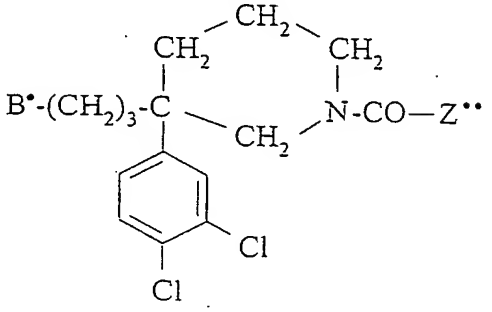


in which:

- $R^{\bullet}$ is hydrogen, a methyl group, an acetyl group, a methoxycarbonyl group, a dimethylaminocarbonyl group or a methanesulfonyl group,

and its salts with mineral or organic acids.

5. A compound according to one of claims 1, 3 or 4 of the formula



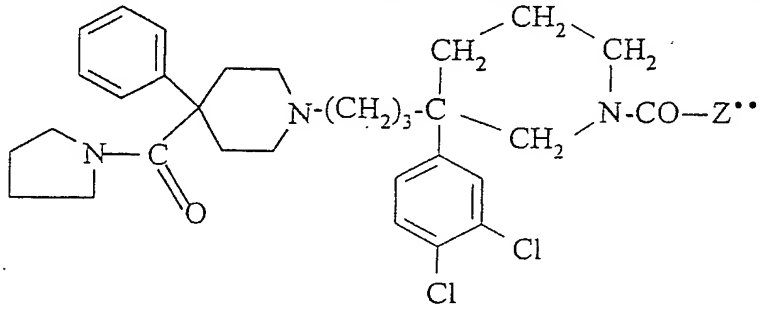
(I••)

in which:

- $B^{\bullet}$ is as defined for a compound of formula ($I^{\bullet}$) in claim 4; and
- $Z^{\bullet\bullet}$ is a pyridyl, for example a 4-pyridyl, a 2-thienyl, a 3-thienyl, a 2-furyl or a 3-furyl,

and its salts with mineral or organic acids.

6. A compound according to one of claims 1, 3, 4 or 5 of the formula



(I••a)

in which:

- $Z^{\bullet\bullet}$ is as defined in claim 5,

and its salts with mineral and organic acids.

7. A compound according to claim 1 or claim 2 of formula (I) in which simultaneously:

- B is a group B_3 in which:
  . either W_3 is oxygen, R_{29} is a (C_1-C_4)alkyl or a trifluoromethyl and R_{28} is a (C_1-C_6)alkyl, especially an ethyl;
  . or W_3 is oxygen, R_{28} is an allyl or a cyclohexyl and R_{29} is a methyl;
  . or W_3 is oxygen, R_{28} is an ethyl and R_{29} is a methylamino or a dimethylamino;
  . or W_3 is oxygen and R_{28} and R_{29} together form a 1,3-propylene, 1,4-butylene or cis,cis-1,4-butadienyl group;
  . or W_3 is sulfur and R_{28} and R_{29} together form a 1,4-butylene group;
- R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a 3,4-dichlorophenyl;

- Z = Z′ as defined in claim 2; and
- T and A are as defined above for a compound of formula (I) in claim 1,

and its salts with mineral or organic acids.

8. A compound according to claim 1 or claim 2 of formula (I) in which simultaneously:

- B is B_4 in which: W_4 is 1-hydroxypropyl, 1-hydroxyethyl, 1-hydroxybutyl, 2-hydroxybut-2-yl, 4-hydroxyhept-4-yl, 2-hydroxyethyl, 1-hydroxyiminopropyl (syn or anti), 1-methoxyiminopropyl (syn or anti), 2-acetoxyethyl, 2-acetamidoethyl, carboxyl, ethoxycarbonyl or pyrrolidin-1-ylcarbonyl;
- R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a 3,4-dichlorophenyl;
- Z = Z′ as defined in claim 2; and
- T and A are as defined above for a compound of formula (I) in claim 1,

and its salts with mineral or organic acids.

9. A compound according to claim 1 or claim 2 of formula (I) in which simultaneously:

- B is a group B_5 in which: W_7 is a hydroxyl, W_6 is a hydrogen and W_8 is a phenyl; or W_6 and W_7 are hydrogen and W_8 is selected from the following groups: 5-methyl-1,3,4-oxadiazol-2-yl, 4-ethoxycarbonylimidazol-2-yl, 2-fluoropyrid-3-yl, 2-methylthiophenyl, 4-methylthiophenyl, 2-methylsulfinylphenyl, 4-methylsulfinylphenyl and 4-(N-methylcarbamoyl)phenyl; or W_7 is hydrogen and W_6 and W_8, together with the piperidine to which they are bonded, form a spiro[isobenzofuran-1(3*H*),4′-piperid]-1′-yl group or a 3-oxospiro[isobenzofuran-1(3*H*),4′-piperid]-1′-yl group;
- R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a 3,4-dichlorophenyl;
- Z = Z′ as defined in claim 2; and
- T and A are as defined above for a compound of formula (I) in claim 1,

and its salts with mineral or organic acids.

10. A compound according to claim 1 or claim 2 of formula (I) in which simultaneously:

- B is a group B_6 as defined in claim 1;
- R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a 3,4-dichlorophenyl;
- Z = Z′ as defined in claim 2; and

- T and A are as defined above for a compound of formula (I) in claim 1, and its salts with mineral or organic acids.

11. A compound according to claim 1 or claim 2 of formula (I) in which simultaneously:

- B is a group B_7 selected from:
  a) a 1-methanesulfonyl-spiro(indoline-3,4'-piperid-1'-yl)
  b) a 1-benzyloxycarbonyl-spiro(indoline-3,4'-piperid-1'-yl)
  c) a spiro(indoline-3,4'-piperid-1'-yl)
  d) a 1-acetyl-spiro(indoline-3,4'-piperid-1'-yl)
  e) a 1-propionyl-spiro(indoline-3,4'-piperid-1'-yl)
  f) a 1-formyl-spiro(indoline-3,4'-piperid-1'-yl)
  g) a 1-*tert*-butylcarbonyl-spiro(indoline-3,4'-piperid-1'-yl)
  h) a 1-methylaminocarbonyl-spiro(indoline-3,4'-piperid-1'-yl)
  i) a 1-ethoxycarbonyl-spiro(indoline-3,4'-piperid-1'-yl)
  j) a 1-ethanesulfonyl-spiro(indoline-3,4'-piperid-1'-yl)
  k) a 1-isopropanesulfonyl-spiro(indoline-3,4'-piperid-1'-yl)
  l) a 1'-methyl-1-methanesulfonyl-spiro(indoline-3,4'-piperidinio-1') iodide
  m) a 1-(2-aminoacetyl)-spiro(indoline-3,4'-piperid-1'-yl)
  n) a 1-methyl-spiro(indol-2-one-3,4'-piperid-1'-yl)
  o) a 2-methyl-spiro(isoindol-1-one-3,4'-piperid-1'-yl)
  p) a spiro(2-oxotetrahydroquinoline-4-4'-piperid-1'-yl)
  q) a 1-methyl-spiro(2-oxotetrahydroquinoline-4,4'-piperid-1'-yl)
  r) a spiro(2,3-dihydrobenzothiophene-3,4'-piperid-1'-yl)
  s) a 5-fluoro-spiro(2,3-dihydrobenzofuran-3,4'-piperid-1'-yl)
  t) a spiro(2,3-dihydrobenzofuran-3,4'-piperid-1'-yl)
  u) a spiro(2,3-dihydrobenzothiophene-3,4'-piperid-1'-yl) 1-oxide
  v) a spiro(2,3-dihydrobenzothiophene-3,4'-piperid-1'-yl) 1,1-dioxide
  w) a 5-fluoro-1-methanesulfonyl-spiro(indoline-3,4'-piperid-1'-yl)
  x) a 1-methanesulfonyl-5-methoxy-spiro(indoline-3,4'-piperid-1'-yl)
  y) a 1-methanesulfonyl-5-methyl-spiro(indoline-3,4'-piperid-1'-yl)
  z) a 5-chloro-1-methanesulfonyl-spiro(indoline-3,4'-piperid-1'-yl)
  aa) a 7-fluoro-1-methanesulfonyl-spiro(indoline-3,4'-piperid-1'-yl)
  ab) a 1-acetyl-5-fluoro-spiro(indoline-3,4'-piperid-1'-yl)
  ac) a 1-acetyl-5-chloro-spiro(indoline-3,4'-piperid-1'-yl)
  ad) a 1-acetyl-5-methyl-spiro(indoline-3,4'-piperid-1'-yl)
  ae) a 1-acetyl-6-fluoro-spiro(indoline-3,4'-piperid-1'-yl)

af) a 1-acetyl-4-fluoro-spiro(indoline-3,4'-piperid-1'-yl)

ag) a 1-(N,N-dimethylcarbamoyl)-spiro(indoline-3,4'-piperid-1'-yl);

- R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a 3,4-dichlorophenyl;
- Z = Z′ as defined in claim 2; and
- T and A are as defined above for (I) in claim 1,

and its salts with mineral or organic acids.

12. A compound according to claim 1 or claim 2 of formula (I) in which simultaneously:

- B is a group B_8 in which: W_{17} is a direct bond, W_{18} is an oxo or thioxo group, W_{19} is an oxy group or a group NH and W_{20} is an ethylene or trimethylene group;
- R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a 3,4-dichlorophenyl;
- Z = Z′ as defined according to claim 2; and
- T and A are as defined above for (I) for claim 1,

and its salts with mineral or organic acids.

13. A compound according to claim 1 or claim 2 of formula (I) in which simultaneously:

- B is a group B_9 in which: X_2 is a group $-COOR_{68}$ or a group $-C(=W_{24})NR_{70}R_{71}$ and W_{21}, W_{22} and W_{23}, together with the nitrogen atom, form a 2-oxopiperidino group or a 2-oxoperhydropyrimidin-1-yl group;
- R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a 3,4-dichlorophenyl;
- Z = Z′ as defined in claim 2; and
- T and A are as defined above for (I) in claim 1,

and its salts with mineral or organic acids.

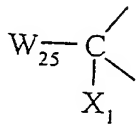
14. A compound according to claim 1 or claim 2 of formula (I) in which simultaneously:

- B is a group B_{10} as defined in claim 1;
- R_1 and R_2 together form a group $-(CH_2)_3-$ or $-(CH_2)_4-$;
- Ar_1 is a 3,4-dichlorophenyl;
- Z = Z′ as defined in claim 2; and
- T and A are as defined above for (I) in claim 1,

and its salts with mineral or organic acids.

15. A compound according to claim 1, 2 or 14 of formula (I) in which simultaneously:

- B is a group B_{10} in which J_6 is a group

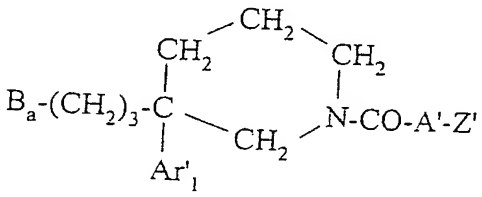


in which:

- W_{25} is a piperid-1-yl and X_1 is a hydrogen, or W_{25} is an azetidin-1-yl, a pyrrolidin-1-yl, a piperid-1-yl, a morpholin-4-yl, a thiomorpholin-4-yl or a perhydroazepin-1-yl and X_1 is a carbamoyl;
- R_1 and R_2 together form a group $-(CH_2)_3-$;
- Ar_1 is a 3,4-dichlorophenyl;
- Z = Z′ as defined in claim 2;
- T is a group -CO-; and
- A is a direct bond,

and its salts with mineral or organic acids.

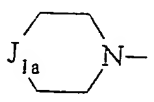
16. A compound according to one of claims 1 or 2 of the formula

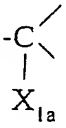


(Ia)

in which:

- Ar'_1 is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy; a (C_1-C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different;
- A′ is a direct bond or a group $-CH_2-$;
- Z′ is as defined in claim 2; and
- B_a is a group B_{1a} of the formula



in which J_{1a} is a group 

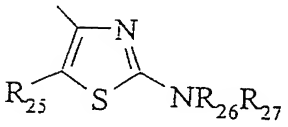
in which:

- x is zero;
- Ar_{2a} is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy, a (C_1-C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different; and
- X_{1a} is a group selected from:
  . hydrogen;
  . (C_1-C_7)alkyl;
  . -$(CH_2)_m$-OR_4 in which m is two and R_4 is a hydrogen or a (C_1-C_7)alkyl;
  . -$(CH_2)_m$-$OCOR_5$ in which:
  m is two and R_5 is a hydrogen; a (C_1-C_7)alkyl; a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; or a pyridyl; or
  m is zero or one and R_5 is a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; or a pyridyl;
  . -$(CH_2)_m$-$OCONH(C_1$-$C_7)$alkyl in which m is zero or two;
  . -O-CH_2-CH_2-OR_6 in which R_6 is a hydrogen; a (C_1-C_7)alkyl; a formyl; or a (C_1-C_7)alkylcarbonyl;
  . -$(CH_2)_n$-SR_7 in which n is zero or one and R_7 is a hydrogen or a (C_1-C_7)alkyl;
  . -CH_2-$S(O)_j$-(C_1-C_7)alkyl in which j is one or two;
  . -NR_8R_9 in which R_8 and R_9, together with the nitrogen atom to which they are bonded, form a piperazine heterocycle which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;
  . -$(CH_2)_p$-$NR_{10}R_{11}$ in which p is two and R_{10} and R_{11} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{11} can also be a (C_3-C_7)cycloalkylmethyl or a benzyl;
  . -$NR_{12}COR_{13}$ in which R_{12} is a hydrogen or a (C_1-C_7)alkyl and R_{13} is a vinyl, a furyl, a thienyl, a pyrrolyl or an imidazolyl;
  . -$NR_{14}COCOR_{15}$ in which R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{15} is a (C_1-C_4)alkoxy;
  . -$(CH_2)_p$-$NR_{14}C(=W_1)R_{16}$ in which p is two, W_1 is an oxygen atom or a sulfur atom, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{16} is a hydrogen; a (C_1-C_7)alkyl; a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl; and p is one, W_1 is a sulfur atom and R_{14} and R_{16} are as just defined, or W_1 is an oxygen atom, R_{14} is as just defined and R_{16} is a vinyl, a furyl, a thienyl, a pyrrolyl or an imidazolyl;

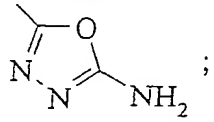
- $-(CH_2)_m-NR_{14}COOR_{17}$ in which m is two, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{17} is a (C_1-C_7)alkyl or a phenyl;
- $-(CH_2)_m-NR_{14}SO_2R_{18}$ in which m is two, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{18} is a (C_1-C_7)alkyl; an amino which is free or substituted by one or two (C_1-C_7)alkyls; or a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a (C_1-C_7)alkyl, a trifluoromethyl, a hydroxyl, a (C_1-C_7)alkoxy, a carboxyl, a (C_1-C_7)alkylcarbonyloxy, a cyano, a nitro and an amino which is free or substituted by one or two (C_1-C_7)alkyls, said substituents being identical or different;
- $-(CH_2)_m-NR_{14}C(=W_1)NR_{19}R_{20}$ in which m is two, W_1 is an oxygen atom or a sulfur atom, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{19} and R_{20} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{20} can also be a (C_3-C_7)cycloalkyl; a (C_3-C_7)cycloalkylmethyl; a hydroxyl; a (C_1-C_4)alkoxy; a benzyl; a phenyl; or a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl; and m is zero or one, W_1 is a sulfur atom and R_{14}, R_{19} and R_{20} are as just defined, or W_1 is an oxygen atom, R_{14} and R_{19} are each independently a hydrogen or a (C_1-C_7)alkyl and R_{20} is a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a piperazine heterocycle which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;
- $-(CH_2)_n-COOR_{21}$ in which n is one and R_{21} is a hydrogen or a (C_1-C_7)alkyl; and n is zero and R_{21} is a hydrogen;
- $-(CH_2)_n-C(=W_1)NR_{19}R_{20}$ in which n is one, W_1 is an oxygen atom or a sulfur atom and R_{19} and R_{20} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{20} can also be a (C_3-C_7)cycloalkyl; a (C_3-C_7)cycloalkylmethyl; a hydroxyl; a (C_1-C_4)alkoxy; a benzyl; a phenyl; or a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a

heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl; and n is zero, W_1 is a sulfur atom and R_{19} and R_{20} are as just defined, or W_1 is an oxygen atom, R_{19} is a hydrogen or a (C_1-C_7)alkyl and R_{20} is a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a piperazine heterocycle which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;

-CO-$NR_{22}NR_{23}R_{24}$ in which R_{22} is a hydrogen or a (C_1-C_7)alkyl and R_{23} and R_{24} are each independently a hydrogen or a (C_1-C_7)alkyl;



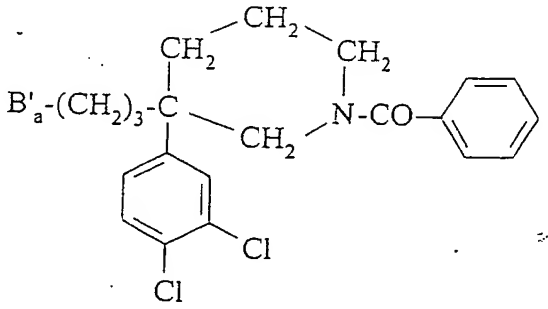
in which R_{25} is a hydrogen or a (C_1-C_7)alkyl and R_{26} and R_{27} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{27} can also be a formyl or a (C_1-C_7)alkylcarbonyl; and



;

and its salts with mineral or organic acids.

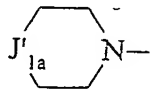
17. A compound according to any one of claims 1, 2 or 16 of the formula



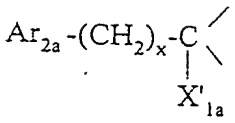
(I'a)

in which:

- B'_a is a group B'_{1a} of the formula

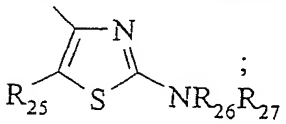


in which J'_{1a} is a group

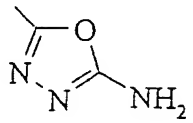


in which:

- x is zero;
- Ar_{2a} is as defined for a compound of formula (Ia) in claim 16; and
- X'_{1a} is a group selected from:
  - $-O-CH_2-CH_2-OR_6$ in which R_6 is a hydrogen; a (C_1-C_7)alkyl; a formyl; or a (C_1-C_7)alkylcarbonyl;
  - $-NR_{12}COR_{13}$ in which R_{12} is a hydrogen or a (C_1-C_7)alkyl and R_{13} is a vinyl, a furyl, a thienyl, a pyrrolyl or an imidazolyl;
  - $-NR_{14}COCOR_{15}$ in which R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{15} is a (C_1-C_4)alkoxy;
  - $-(CH_2)_p-NR_{14}C(=W_1)R_{16}$ in which p is one, W_1 is an oxygen atom, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{16} is a vinyl, a furyl, a thienyl, a pyrrolyl or an imidazolyl;
  - $-(CH_2)_m-NR_{14}C(=W_1)NR_{19}R_{20}$ in which m is zero, W_1 is an oxygen atom, R_{14} is a hydrogen or a (C_1-C_7)alkyl, R_{19} is a hydrogen or a (C_1-C_7)alkyl and R_{20} is a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls;
  - $-CO-NR_{22}-NR_{23}R_{24}$ in which R_{22} is a hydrogen or a (C_1-C_7)alkyl and R_{23} and R_{24} are each independently a hydrogen or a (C_1-C_7)alkyl;

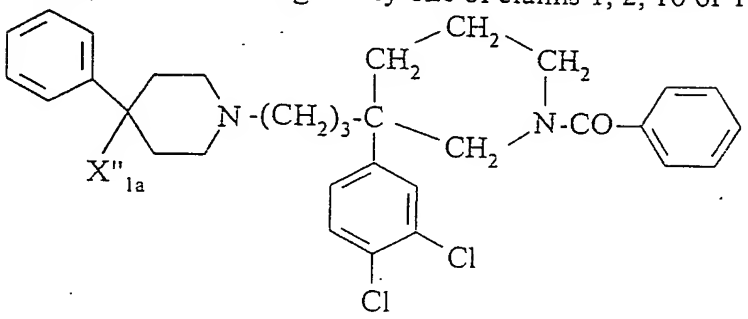


in which R_{25} is a hydrogen or a (C_1-C_7)alkyl and R_{26} and R_{27} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{27} can also be a formyl or a (C_1-C_7)alkylcarbonyl; and



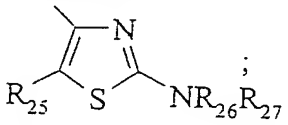
and its salts with mineral or organic acids.

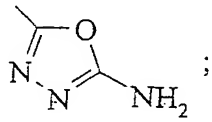
18. A compound according to any one of claims 1, 2, 16 or 17 of the formula



(I"a)

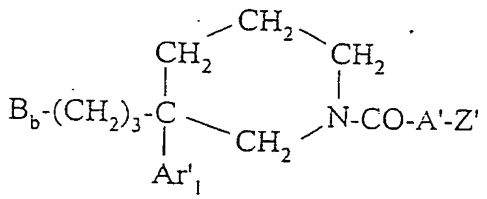
in which:

- X''_{1a} is a group selected from:
  - . $-O-CH_2-CH_2-OR_6$ in which R_6 is a hydrogen; a (C_1-C_7)alkyl; a formyl; or a (C_1-C_7)alkylcarbonyl, preferably a hydrogen or an acetyl;
  - . $-NR_{12}COR_{13}$ in which R_{12} is a hydrogen or a (C_1-C_7)alkyl, preferably a hydrogen, and R_{13} is a vinyl, a furyl, a thienyl, a pyrrolyl or an imidazolyl, preferably a furyl or a thienyl;
  - . $-NR_{14}COCOR_{15}$ in which R_{14} is a hydrogen or a (C_1-C_7)alkyl, preferably a hydrogen, and R_{15} is a (C_1-C_4)alkoxy, preferably an ethoxy; and
  -  ;

    in which R_{25} is a hydrogen or a (C_1-C_7)alkyl, preferably a hydrogen, and R_{26} and R_{27} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{27} can also be a formyl or a (C_1-C_7)alkylcarbonyl; R_{26} and R_{27} are preferably a hydrogen; and
  -  ;

and its salts with mineral or organic acids.

19. A compound according to claim 1 or claim 2 of the formula



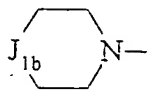
(Ib)

in which:

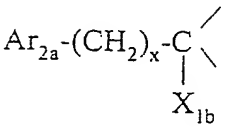
- Ar'_1 is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy, a $(C_1-$

C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different;

- A′ is a direct bond or a group $-CH_2-$;
- Z′ is as defined in claim 2; and
- B_b is a group B_{1b} of the formula



in which J_{1b} is a group



in which:

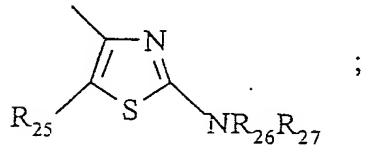
- x is one;
- Ar_{2a} is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy, a (C_1-C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different; and
- X_{1b} is a group selected from:
  - . hydrogen;
  - . (C_1-C_7)alkyl;
  - . formyl;
  - . (C_1-C_7)alkylcarbonyl;
  - . $-(CH_2)_m-OR_4$;
  - . $-(CH_2)_m-OCOR_5$;
  - . $-(CH_2)_m-OCONH-(C_1-C_7)$alkyl;
  - . $-O-CH_2CH_2-OR_6$;
  - . $-(CH_2)_n-SR_7$;
  - . $-CH_2-S(O)_j-(C_1-C_7)$alkyl;
  - . $-NR_8R_9$;
  - . $-(CH_2)_p-NR_{10}R_{11}$;
  - . $-NR_{12}COR_{13}$;
  - . $-NR_{14}COCOR_{15}$;
  - . $-(CH_2)_p-NR_{14}C(=W_1)R_{16}$;
  - . $-(CH_2)_m-NR_{14}COOR_{17}$;
  - . $-(CH_2)_m-NR_{14}SO_2R_{18}$;
  - . $-(CH_2)_m-NR_{14}C(=W_1)NR_{19}R_{20}$;

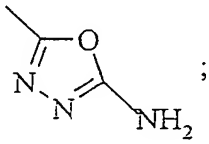
. -$(CH_2)_n$-$COOR_{21}$;

. -$(CH_2)_n$-$C(=W_1)NR_{19}R_{20}$;

. -CO-NR_{22}-$NR_{23}R_{24}$;

. -CN;

.  ;

.  ;

. or X_{1b} forms a double bond between the carbon atom to which it is bonded and the adjacent carbon atom of the piperidine ring,

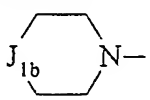
in which groups:

- m is zero, one or two;
- n is zero or one;
- p is one or two;
- j is one or two;
- W_1 is an oxygen atom or a sulfur atom;
- R_4 is a hydrogen or a (C_1-C_7)alkyl;
- R_5 is a hydrogen; a (C_1-C_7)alkyl; a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; or a pyridyl;
- R_6 is a hydrogen; a (C_1-C_7)alkyl; a formyl; or a (C_1-C_7)alkylcarbonyl;
- R_7 is a hydrogen or a (C_1-C_7)alkyl;
- R_8 and R_9 are each independently a hydrogen or a (C_1-C_7)alkyl; R_9 can also be a (C_3-C_7)cycloalkylmethyl, a benzyl or a phenyl;
- or R_8 and R_9, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;
- R_{10} and R_{11} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{11} can also be a (C_3-C_7)cycloalkylmethyl or a benzyl;
- R_{12} is a hydrogen or a (C_1-C_7)alkyl;
- R_{13} is a hydrogen; a (C_1-C_7)alkyl; a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl;

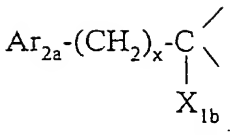
- or R_{12} and R_{13} together are a group $-(CH_2)_u-$ in which u is three or four;
- R_{14} is a hydrogen or a (C_1-C_7)alkyl;
- R_{15} is a (C_1-C_4)alkoxy;
- R_{16} is a hydrogen; a (C_1-C_7)alkyl; a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl;
- R_{17} is a (C_1-C_7)alkyl or a phenyl;
- R_{18} is a (C_1-C_7)alkyl; an amino which is free or substituted by one or two (C_1-C_7)alkyls; or a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a (C_1-C_7)alkyl, a trifluoromethyl, a hydroxyl, a (C_1-C_7)alkoxy, a carboxyl, a (C_1-C_7)alkoxycarbonyl, a (C_1-C_7)alkylcarbonyloxy, a cyano, a nitro and an amino which is free or substituted by one or two (C_1-C_7)alkyls, said substituents being identical or different;
- R_{19} and R_{20} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{20} can also be a (C_3-C_7)cycloalkyl; a (C_3-C_7)cycloalkylmethyl; a hydroxyl; a (C_1-C_4)alkoxy; a benzyl; a phenyl; or a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls;
- or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;
- R_{21} is a hydrogen or a (C_1-C_7)alkyl;
- R_{22} is a hydrogen or a (C_1-C_7)alkyl;
- R_{23} and R_{24} are each independently a hydrogen or a (C_1-C_7)alkyl;
- R_{25} is a hydrogen or a (C_1-C_7)alkyl; and
- R_{26} and R_{27} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{27} can also be a formyl or a (C_1-C_7)alkylcarbonyl,

with the proviso that:

- when Ar'_1 is the 3,4-dichlorophenyl group and -A'-Z' is the 3-methoxybenzyl group, B_b is the group B_{1b} of the formula

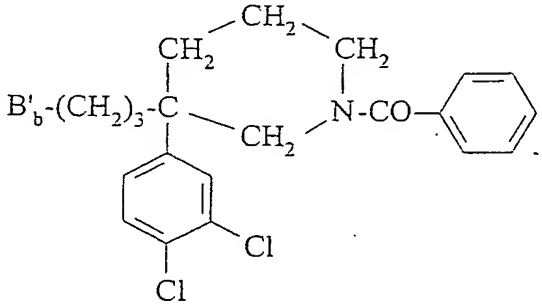


in which J_{1b} is the group



in which x is one, Ar_{2a} is a phenyl group and X_{1b} is other than hydrogen, and its salts with mineral or organic acids.

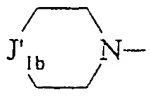
20. A compound according to any one of claims 1, 2 or 19 of the formula



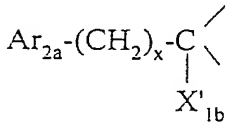
(I'b)

in which:

- B'_b is a group B'_{1b} of the formula



in which J'_{1b} is a group



in which:

- x is one;
- Ar_{2a} is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy, a (C_1-C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different; and
- X'_{1b} is as group selected from:
  - (C_1-C_7)alkyl;
  - $-(CH_2)_m-OR_4$ in which m is one or two and R_4 is a hydrogen or a (C_1-C_7)alkyl;
  - $-(CH_2)_m-OCOR_5$ in which:
    m is zero and R_5 is a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; or a pyridyl; or

m is one or two and R_5 is a hydrogen; a (C_1-C_7)alkyl; a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; or a pyridyl;

. -$(CH_2)_m$-OCONH-(C_1-C_7)alkyl in which m is zero, one or two;

. -O-CH_2-CH_2-OR_6 in which R_6 is a hydrogen; a (C_1-C_7)alkyl; a formyl; or a (C_1-C_7)alkylcarbonyl;

. -$(CH_2)_n$-SR_7 in which n is zero or one and R_7 is a hydrogen or a (C_1-C_7)alkyl;

. -CH_2-$S(O)_j$-(C_1-C_7)alkyl in which j is one or two;

. -NR_8R_9 in which R_8 is a hydrogen or a (C_1-C_7)alkyl and R_9 is a (C_3-C_7)cycloalkylmethyl or a benzyl; or R_8 and R_9, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;

. -$(CH_2)_p$-$NR_{10}R_{11}$ in which p is one or two and R_{10} and R_{11} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{11} can also be a (C_3-C_7)cycloalkylmethyl or a benzyl;

. -$NR_{12}COR_{13}$ in which R_{12} is a hydrogen or a (C_1-C_7)alkyl and R_{13} is a (C_3-C_7)-cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl; or R_{12} and R_{13} together are a group -$(CH_2)_u$- in which u is three or four;

. -$NR_{14}COCOR_{15}$ in which R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{15} is a (C_1-C_4)alkoxy;

. -$(CH_2)_p$-$NR_{14}C(=W_1)R_{16}$ in which p is one or two, W_1 is an oxygen atom or a sulfur atom, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{16} is a hydrogen; a (C_1-C_7)alkyl; a (C_3-C_7)cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl;

. -$(CH_2)_m$-$NR_{14}COOR_{17}$ in which m is zero, one or two, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{17} is a (C_1-C_7)alkyl or a phenyl;

. -$(CH_2)_m$-$NR_{14}SO_2R_{18}$ in which m is zero, one or two, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{18} is a (C_1-C_7)alkyl; an amino which is free or substituted by one or two (C_1-C_7)alkyls; or a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a (C_1-C_7)alkyl, a trifluoromethyl, a hydroxyl, a (C_1-C_7)alkoxy, a carboxyl, a (C_1-C_7)alkoxycarbonyl, a (C_1-C_7)alkylcarbonyloxy, a cyano, a nitro

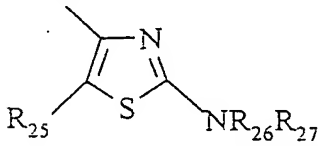
and an amino which is free or substituted by one or two (C_1-C_7)alkyls, said substituents being identical or different;

. -$(CH_2)_m$-$NR_{14}C(=W_1)NR_{19}R_{20}$ in which m is zero, one or two, W_1 is an oxygen atom or a sulfur atom, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{19} and R_{20} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{20} can also be a (C_3-C_7)cycloalkyl; a (C_3-C_7)cycloalkylmethyl; a hydroxyl; a (C_1-C_4)alkoxy; a benzyl; a phenyl; or a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;

. -$(CH_2)_n$-$COOR_{21}$ in which n is one and R_{21} is a hydrogen or a (C_1-C_7)alkyl;

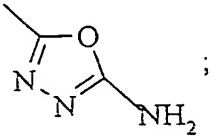
. -$(CH_2)_n$-$C(=W_1)NR_{19}R_{20}$ in which n is zero or one, W_1 is an oxygen atom or a sulfur atom and R_{19} and R_{20} are each independently a hydrogen or a (C_1-C_7)-alkyl; R_{20} can also be a (C_3-C_7)cycloalkyl; a (C_3-C_7)cycloalkylmethyl; a hydroxyl; a (C_1-C_4)alkoxy; a benzyl; a phenyl; or a (C_1-C_7)alkyl substituted by a hydroxyl, a (C_1-C_3)alkoxy, a phenyl, a carboxyl, a (C_1-C_3)alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two (C_1-C_7)alkyls; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl;

. -CO-NR_{22}-$NR_{23}R_{24}$ in which R_{22} is a hydrogen or a (C_1-C_7)alkyl and R_{23} and R_{24} are each independently a hydrogen or a (C_1-C_7)alkyl;



;

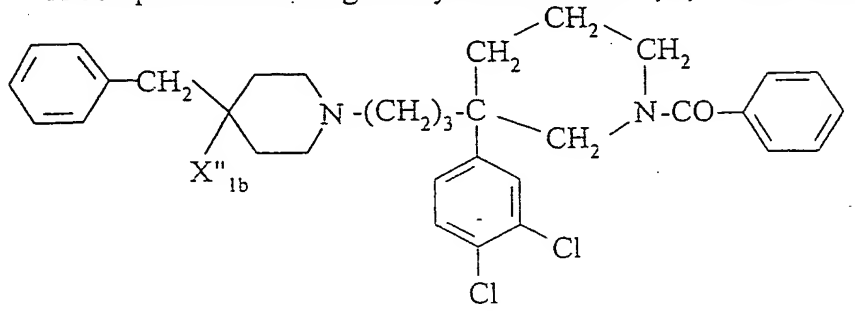
in which R_{25} is a hydrogen or a (C_1-C_7)alkyl and R_{26} and R_{27} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{27} can also be a formyl or a (C_1-C_7)alkylcarbonyl; and



;

and its salts with mineral or organic acids.

21. A compound according to any one of claims 1, 2, 19 or 20 of the formula



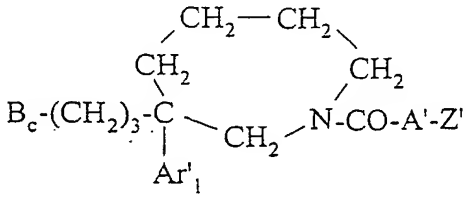
(I"b)

in which:

- X''_{1b} is a group selected from:
  - $-(CH_2)_p-NR_{10}R_{11}$ in which p is one and R_{10} and R_{11} are each a hydrogen;
  - $-(CH_2)_p-NR_{14}C(=W_1)R_{16}$ in which p is one, W_1 is an oxygen atom, R_{14} is a hydrogen or a (C_1-C_7)alkyl and R_{16} is a (C_1-C_7)alkyl, preferably an ethyl;
  - $-(CH_2)_m-NR_{14}COOR_{17}$ in which m is zero, R_{14} is a hydrogen and R_{17} is a (C_1-C_7)alkyl, preferably an ethyl; and
  - $-(CH_2)_n-C(=W_1)NR_{19}R_{20}$ in which n is zero, W_1 is an oxygen atom and R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a (C_1-C_4)alkyl, preferably pyrrolidine,

and its salts with mineral or organic acids.

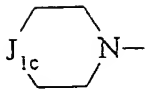
22. A compound according to claim 1 or claim 2 of the formula



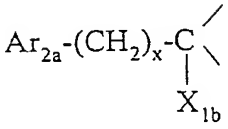
(Ic)

in which:

- Ar'_1 is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy, a (C_1-C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different;
- A' is a direct bond or a group $-CH_2-$;
- Z' is as defined above in claim 2; and
- B_c is a group B_{1c} of the formula



in which J_{1c} is a group

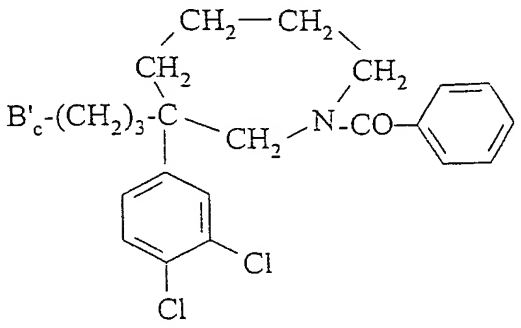


in which:

- x is zero or one;
- Ar_{2a} is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy, a (C_1-C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different; and
- X_{1b} is as defined for a compound of formula (I_b) in claim 19,

and its salts with mineral or organic acids.

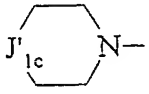
23. A compound according to any one of claims 1, 2 or 22 of the formula



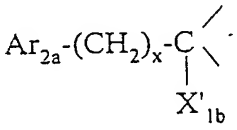
(I'c)

in which:

- B'_c is a group B'_{1c} of the formula



in which J'_{1c} is a group



in which:

- x is zero or one;
- Ar_{2a} is a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a hydroxyl, a (C_1-C_4)alkoxy, a (C_1-

C_4)alkyl, a trifluoromethyl and a methylenedioxy, said substituents being identical or different; and

- X'_{1b} is a group selected from:
  - . $(C_1$-$C_7)$alkyl;
  - . $-(CH_2)_m-OR_4$ in which m is one or two and R_4 is a hydrogen or a $(C_1$-$C_7)$alkyl;
  - . $-(CH_2)_m-OCOR_5$ in which m is zero and R_5 is a $(C_3$-$C_7)$cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; or a pyridyl; and m is one or two and R_5 is a hydrogen; a $(C_1$-$C_7)$alkyl; a $(C_3$-$C_7)$cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; or a pyridyl;
  - . $-(CH_2)_m-OCONH-(C_1$-$C_7)$alkyl in which m is zero, one or two;
  - . $-O-CH_2-CH_2-OR_6$ in which R_6 is a hydrogen; a $(C_1$-$C_7)$alkyl; a formyl; or a $(C_1$-$C_7)$alkylcarbonyl;
  - . $-(CH_2)_n-SR_7$ in which n is zero or one and R_7 is a hydrogen or a $(C_1$-$C_7)$alkyl;
  - . $-CH_2-S(O)_j-(C_1$-$C_7)$alkyl in which j is one or two;
  - . $-NR_8R_9$ in which R_8 is a hydrogen or a $(C_1$-$C_7)$alkyl and R_9 is a $(C_3$-$C_7)$cycloalkylmethyl or a benzyl; or R_8 and R_9, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a $(C_1$-$C_4)$alkyl;
  - . $-(CH_2)_p-NR_{10}R_{11}$ in which p is one or two, R_{10} is a hydrogen or a $(C_1$-$C_7)$alkyl and R_{11} is a hydrogen, a $(C_1$-$C_7)$alkyl, a $(C_3$-$C_7)$cycloalkylmethyl or a benzyl;
  - . $-NR_{12}COR_{13}$ in which R_{12} is a hydrogen or a $(C_1$-$C_7)$alkyl and R_{13} is a $(C_3$-$C_7)$-cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl; or R_{12} and R_{13} together form a group $-(CH_2)_u$ in which u is three or four;
  - . $-NR_{14}COCOR_{15}$ in which R_{14} is a hydrogen or a $(C_1$-$C_7)$alkyl and R_{15} is a $(C_1$-$C_4)$alkoxy;
  - . $-(CH_2)_p-NR_{14}C(=W_1)R_{16}$ in which p is one or two, W_1 is an oxygen atom or a sulfur atom, R_{14} is a hydrogen or a $(C_1$-$C_7)$alkyl and R_{16} is a hydrogen or a $(C_1$-$C_7)$alkyl; a $(C_3$-$C_7)$cycloalkyl which is unsubstituted or substituted by one or more methyls; a phenyl; a benzyl; a vinyl; a pyridyl; a furyl; a thienyl; a pyrrolyl; or an imidazolyl;
  - . $-(CH_2)_m-NR_{14}COOR_{17}$ in which m is zero, one or two, R_{14} is a hydrogen or a $(C_1$-$C_7)$alkyl and R_{17} is a $(C_1$-$C_7)$alkyl or a phenyl;

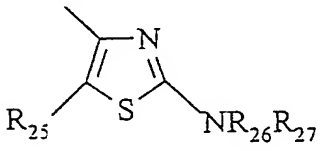
. -$(CH_2)_m$-$NR_{14}SO_2R_{18}$ in which m is zero, one or two, R_{14} is a hydrogen or a $(C_1$-$C_7)$alkyl and R_{18} is a $(C_1$-$C_7)$alkyl; an amino which is free or substituted by one or two $(C_1$-$C_7)$alkyls; or a phenyl which is unsubstituted or monosubstituted or polysubstituted by a substituent selected from a halogen atom, a $(C_1$-$C_7)$alkyl, a trifluoromethyl, a hydroxyl, a $(C_1$-$C_7)$alkoxy, a carboxyl, a $(C_1$-$C_7)$alkoxycarbonyl, a $(C_1$-$C_7)$alkylcarbonyloxy, a cyano, a nitro and an amino which is free or substituted by one or two $(C_1$-$C_7)$alkyls, said substituents being identical or different;

. -$(CH_2)_m$-$NR_{14}C(=W_1)NR_{19}R_{20}$ in which m is zero, one or two, W_1 is an oxygen atom or a sulfur atom, R_{14} is a hydrogen or a $(C_1$-$C_7)$alkyl and R_{19} and R_{20} are each independently a hydrogen or a $(C_1$-$C_7)$alkyl; R_{20} can also be a $(C_3$-$C_7)$cycloalkyl; a $(C_3$-$C_7)$cycloalkylmethyl; a hydroxyl; a $(C_1$-$C_4)$alkoxy; a benzyl; a phenyl; or a $(C_1$-$C_7)$alkyl substituted by a hydroxyl, a $(C_1$-$C_3)$alkoxy, a phenyl, a carboxyl, a $(C_1$-$C_3)$alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two $(C_1$-$C_7)$alkyls; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a $(C_1$-$C_4)$alkyl;

. -$(CH_2)_n$-$COOR_{21}$ in which n is one and R_{21} is a hydrogen or a $(C_1$-$C_7)$alkyl;

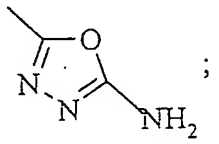
. -$(CH_2)_n$-$C(=W_1)NR_{19}R_{20}$ in which n is zero or one, W_1 is an oxygen atom or a sulfur atom and R_{19} and R_{20} are each independently a hydrogen or a $(C_1$-$C_7)$-alkyl; R_{20} can also be a $(C_3$-$C_7)$cycloalkyl; a $(C_3$-$C_7)$cycloalkylmethyl; a hydroxyl; a $(C_1$-$C_4)$alkoxy; a benzyl; a phenyl; or a $(C_1$-$C_7)$alkyl substituted by a hydroxyl, a $(C_1$-$C_3)$alkoxy, a phenyl, a carboxyl, a $(C_1$-$C_3)$alkoxycarbonyl or a carbamoyl which is unsubstituted or substituted by one or two $(C_1$-$C_7)$alkyls; or R_{19} and R_{20}, together with the nitrogen atom to which they are bonded, form a heterocycle selected from azetidine, pyrrolidine, piperidine, morpholine, thiomorpholine, perhydroazepine and piperazine which is unsubstituted or substituted in the 4-position by a $(C_1$-$C_4)$alkyl;

. -CO-NR_{22}-$NR_{23}R_{24}$ in which R_{22} is a hydrogen or a $(C_1$-$C_7)$alkyl and R_{23} and R_{24} are each independently a hydrogen or a $(C_1$-$C_7)$alkyl;



;

in which R_{25} is a hydrogen or a (C_1-C_7)alkyl and R_{26} and R_{27} are each independently a hydrogen or a (C_1-C_7)alkyl; R_{27} can also be a formyl or a (C_1-C_7)alkylcarbonyl; and



;

and its salts with mineral or organic acids.

24. A compound according to any one of claims 1, 2, 3, 4, 5, 6, 8, 11, 14, 15 and 16 to 23 selected from:

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[4-(pyrrolidin-1-ylcarbonyl)-piperid-1-yl]propyl]piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-(4-piperidinopiperid-1-yl)-propyl]piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-(4-carbamoyl-4-piperidinopiperid-1-yl)propyl]piperidine;

3-[3-[4-(acryloyl-N-methylamino)-4-phenylpiperid-1-yl]propyl-1-benzoyl-3-(3,4-dichlorophenyl)piperidine;

3-[3-[4-(2-aminothiazol-4-yl)-4-phenylpiperid-1-yl]propyl]-1-benzoyl-3-(3,4-dichlorophenyl)piperidine;

3-[3-(4-acetyl-4-benzylpiperid-1-yl)propyl]-1-benzoyl-3-(3,4-dichlorophenyl)piperidine;

3-[3-[4-(acetylamino)-4-benzylpiperid-1-yl]propyl]-1-benzoyl-3-(3,4-dichlorophenyl)piperidine;

1-benzoyl-3-[3-[4-benzyl-4-(propionylaminomethyl)piperid-1-yl]propyl]-3-(3,4-dichlorophenyl)piperidine;

1-benzoyl-3-[3-[4-benzyl-4-(ethoxycarbonylamino)piperid-1-yl]propyl]-3-(3,4-dichlorophenyl)piperidine;

1-benzoyl-3-[3-[4-benzyl-4-(pyrrolidin-1-ylcarbonyl)piperid-1-yl]propyl]-3-(3,4-dichlorophenyl)piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[4-(dimethylaminocarbonyl)-4-phenylpiperid-1-yl]propyl]perhydroazepine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[4-(2-hydroxyethoxy)-4-phenyl-piperid-1-yl]propyl]piperidine;

3-[3-[4-(2-acetoxyethoxy)-4-phenylpiperid-1-yl]propyl]-1-benzoyl-3-(3,4-dichlorophenyl)piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[4-(2-furoylamino)-4-phenyl-piperid-1-yl]propyl]piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[4-(2-thenoylamino)-4-phenyl-piperid-1-yl]propyl]piperidine;

3-(3,4-dichlorophenyl)-1-isonicotinoyl-3-[3-[4-phenyl-4-(pyrrolidin-1-ylcarbonyl)piperid-1-yl]propyl]piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-spiro(indoline-3,4'-piperid-1'-yl)propyl]piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[1-acetylspiro(indoline-3,4'-piperid-1'-yl)]propyl]piperidine;

3-(3,4-dichlorophenyl)-3-[3-[4-phenyl-4-(pyrrolidin-1-ylcarbonyl)piperid-1-yl]propyl]-1-(2-thenoyl)piperidine;

3-(3,4-dichlorophenyl)-3-[3-[4-phenyl-4-(pyrrolidin-1-ylcarbonyl)piperid-1-yl]propyl]-1-(3-thenoyl)piperidine;

3-(3,4-dichlorophenyl)-1-(2-furoyl)-3-[3-[4-phenyl-4-(pyrrolidin-1-ylcarbonyl)piperid-1-yl]propyl]piperidine;

3-(3,4-dichlorophenyl)-1-(3-furoyl)-3-[3-[4-phenyl-4-(pyrrolidin-1-ylcarbonyl)piperid-1-yl]propyl]piperidine;

3-[3-[4-(2-amino-1,3,4-oxadiazol-5-yl)-4-phenylpiperid-1-yl]propyl]-1-benzoyl-3-(3,4-dichlorophenyl)piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[4-(ethoxalylamino)-4-phenyl-piperid-1-yl]propyl]piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-(4-carbamoyl-4-morpholinopiperid-1-yl)propyl]piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[1-(methoxycarbonyl)spiro-(indoline-3,4'-piperid-1'-yl)]propyl]piperidine;

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[1-(N,N-dimethylcarbamoyl)spiro-(indoline-3,4'-piperid-1'-yl)]propyl]piperidine; and

1-benzoyl-3-(3,4-dichlorophenyl)-3-[3-[1-(methanesulfonyl)spiro(indoline-3,4'-piperid-1'-yl)]propyl]piperidine,

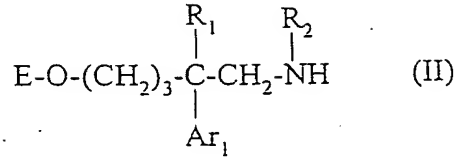
in the form of racemates or one of their (+) or (-) enantiomers,

and their salts with mineral or organic acids.

25. Solvates of the compounds according to any one of claims 1 to 24 and their salts.

26. Method of preparing a compound of formula (I) according to claim 1 and its salts, characterized in that:

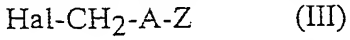
1) a compound of the formula



(II)

in which Ar_1, R_1 and R_2 are as defined for a compound of formula (I) in claim 1 and E is hydrogen or an O-protecting group, is treated:

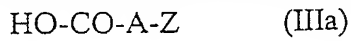
- either with a halogenated derivative of the formula



(III)

in which Hal is a halogen atom, preferably bromine, and A and Z are as defined for a compound of formula (I) in claim 1, when it is desired to prepare a compound of formula (I) in which T is a group $-CH_2-$;

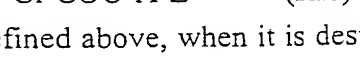
- or with a functional derivative of an acid of the formula



(IIIa)

in which A and Z are as defined above, when it is desired to prepare a compound of formula (I) in which T is a group -CO-;

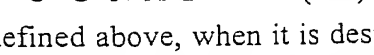
- or with a chloroformate of the formula



(IIIb)

in which A and Z are as defined above, when it is desired to prepare a compound of formula (I) in which T is group -COO-;

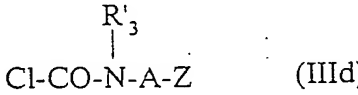
- or with an isocyanate of the formula



(IIIc)

in which A and Z are as defined above, when it is desired to prepare a compound of formula (I) in which T is a group $-CO-NR_3-$ in which R_3 is hydrogen;

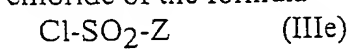
- or with a carbamoyl chloride of the formula



(IIId)

in which A and Z are as defined above and R'_3 is a (C_1-C_4)alkyl, when it is desired to prepare a compound of formula (I) in which T is $-CONR_3-$ in which R_3 is a (C_1-C_4)alkyl;

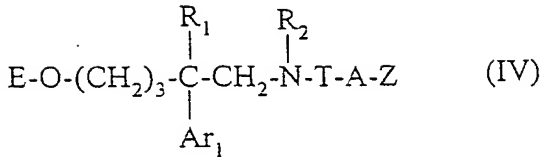
- or with a sulfonyl chloride of the formula



(IIIe)

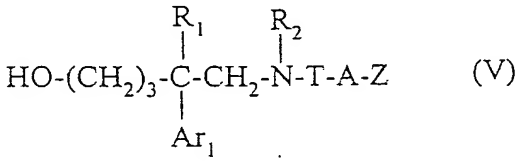
in which Z is as defined above, when it is desired to prepare a compound of formula (I) in which -T-A- is a group $-SO_2-$,

to give a compound of the formula



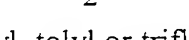
(IV)

2) the O-protecting group, if present, is removed from the compound of formula (IV), by reaction with an acid or a base, to give the alcohol of the formula



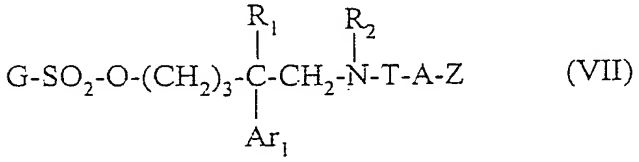
(V)

3) the alcohol (V) is treated with a compound of the formula



(VI)

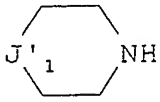
in which G is a methyl, phenyl, tolyl or trifluoromethyl group, to give a compound of the formula



(VII)

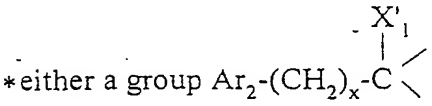
4) the compound (VII) is reacted:

- either with a cyclic secondary amine of the formula

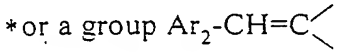


(VIIIa)

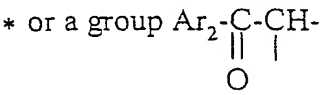
in which J'_1 is:



in which Ar_2 and x are as defined for (I) in claim 1 and X'_1 is either X_1 as defined for (I), or a precursor of X_1, it being understood that when X'_1 contains a hydroxyl group or an amino group, these groups can be protected;



in which Ar_2 is as defined for (I) in claim 1;



in which Ar_2 is as defined for (I) in claim 1;

* or a group Ar_2-C(OH)-CH-

in which Ar_2 is as defined for (I) in claim 1;

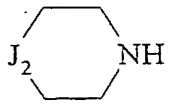
* or a group Ar_2-C(=N-O-$(CH_2)_r$-Am_1)-CH-

in which Ar_2, Am_1 and r are as defined for (I) in claim 1;

* or a group Ar_2-W_2-CH-

in which Ar_2 and W_2 are as defined for (I) in claim 1;

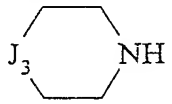
- or with a cyclic secondary amine of the formula



(VIIIb)

in which J_2 is as defined above for (I) in claim 1;

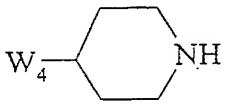
- or with a cyclic secondary amine of the formula



(VIIIc)

in which J_3 is as defined above for (I) in claim 1;

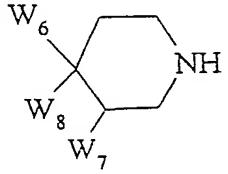
- or with a cyclic secondary amine of the formula



(VIIId)

in which W_4 is as defined above for (I) in claim 1;

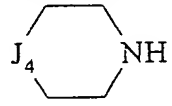
- or with a cyclic secondary amine of the formula



(VIIIe)

in which W_6, W_7 and W_8 are as defined above for (I) in claim 1;

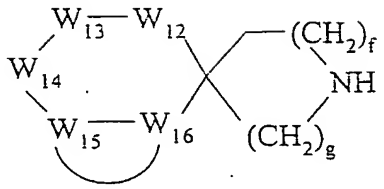
- or with a cyclic secondary amine of the formula



(VIIIf)

in which J_4 is as defined above for (I) in claim 1;

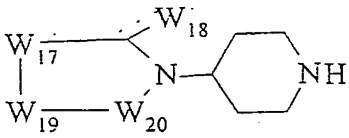
- or with a compound of the formula



(VIIIg)

in which f, g, W_{12}, W_{13}, W_{14}, W_{15} and W_{16} are as defined above for (I) in claim 1;

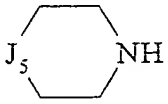
- or with a cyclic secondary amine of the formula



(VIIIh)

in which W_{17}, W_{18}, W_{19} and W_{20} are as defined above for (I) in claim 1;

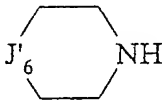
- or with a cyclic secondary amine of the formula



(VIIIi)

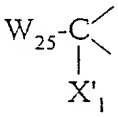
in which J_5 is as defined above for (I) in claim 1;

- or a cyclic secondary amine of the formula



(VIIIj)

in which J'_6 is a group

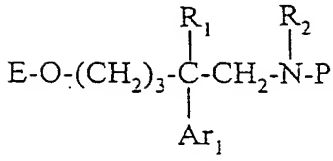


in which W_{25} is as defined above for (I) and X'_1 is X_1 as defined for (I) in claim 1, or a precursor of X_1, it being understood that when X'_1 contains a hydroxyl group or an amino group, these groups can be protected; and

5) after deprotection of the hydroxyl groups or amino groups, if appropriate, or conversion of X'_1 to X_1, if appropriate, the resulting product is optionally converted to one of its salts with a mineral or organic acid.

27. Method of preparing a compound of formula (I) according to claim 1 and its salts, characterized in that:

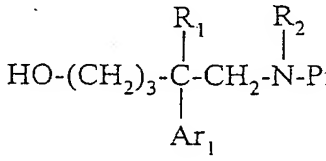
1') the nitrogen atom of the compound of formula (II) as defined in claim 25 is protected to give a compound of the formula



(XVII)

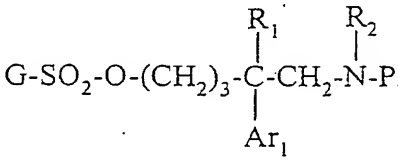
in which Ar_1, R_1 and R_2 are as defined for a compound of formula (I) in claim 1, E is hydrogen or an O-protecting group and Pr is an N-protecting group such as the trityl, *tert*-butoxycarbonyl or benzyloxycarbonyl group;

2′) the O-protecting group, if present, is removed from the compound of formula (XVII), by reaction with an acid or a base, to give the alcohol of the formula



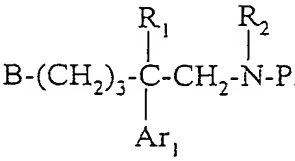
(XVIII)

3′) the alcohol (XVIII) is treated with a compound of formula (VI) as defined in claim 25 to give a compound of the formula



(XIX)

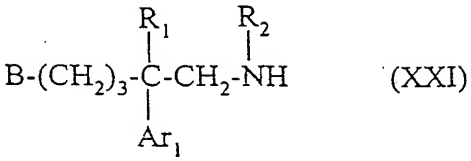
4′) the compound (XIX) is reacted with a compound of formula (VIIIa), (VIIIb), (VIIIc), (VIIId), (VIIIe), (VIIIf), (VIIIg), (VIIIh), (VIIIi) or (VIIIj) as defined in claim 25 to give a compound of the formula



(XX)

in which B is as defined for a compound of formula (I) in claim 1, it being understood that when B contains a hydroxide group or an amino group, these groups can be protected;

5′) the protecting group Pr is selectively removed from the compound of formula (XX) to give the compound of the formula



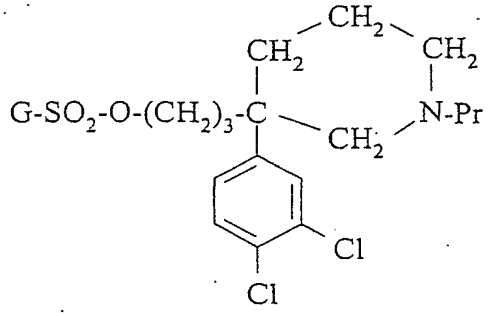
(XXI)

6′) the compound of formula (XXI) is treated with a compound of formula (III), (IIIa), (IIIb), (IIIc), (IIId) or (IIIe) as defined in claim 25; and

7′) after deprotection of the hydroxyl groups or amino groups, if appropriate, the resulting product is optionally converted to one of its salts with a mineral or organic acid.

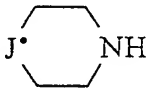
28. Method according to claim 27 for the preparation of a compound of formula (I•) according to claim 4 and its salts, characterized in that:

1•) a compound of the formula



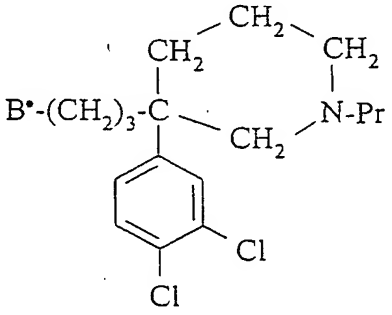
(XIX•)

in which G is a methyl, phenyl, tolyl or trifluoromethyl group and Pr is an N-protecting group such as the trityl, *tert*-butoxycarbonyl or benzyloxycarbonyl group, is reacted with a compound of the formula



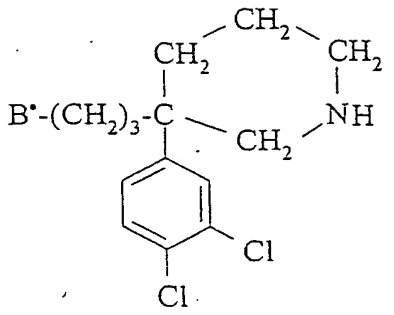
(VIII•)

in which J• is as defined for a compound of formula (I•) in claim 4, to give a compound of the formula



(XX•)

2•) the protecting group Pr is selectively removed from the compound of formula (XX•) to give the compound of the formula



(XXI•)

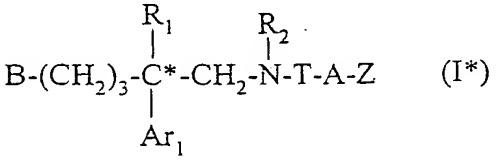
3•) the compound of formula (XXI•) is treated with a functional derivative of an acid of the formula

$$HO\text{-}CO\text{-}Z^{\bullet} \quad (III^{\bullet})$$

in which $Z^{\bullet}$ is as defined for a compound of formula ($I^{\bullet}$) in claim 4; and

4•) after deprotection, if appropriate, the resulting product ($I^{\bullet}$) is optionally converted to one of its salts with a mineral or organic acid.

29. An enantiomer of a compound according to claim 1 of the formula



(I*)

in which:

- "*" denotes that the carbon atom carrying this label has the determined (+) or (-) absolute configuration; and
- R_1, R_2, Ar_1, T, A, Z and B are as defined for the compounds of formula (I) in claim 1,

and its salts with mineral or organic acids, and their solvates.

30. Pharmaceutical composition comprising, as the active principle, a compound according to any one of claims 1 to 24 or 29 or one of its pharmaceutically acceptable salts and solvates.

31. Pharmaceutical composition according to claim 30 in the form of a dosage unit in which the active principle is mixed with at least one pharmaceutical excipient.

32. Pharmaceutical composition according to claim 31 containing 0.5 to 1000 mg of active principle.

33. Pharmaceutical composition according to claim 32 containing 2.5 to 250 mg of active principle.